

AN ABSTRACT OF THE THESIS OF

---Harold H. White-----for the M. S.---in Farm Management
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Title---Survey of the Demand for Agricultural Labor in
-----Oregon-----

Abstract Approved:-----
(Major Professor)

Redacted for Privacy

The "Survey of the Demand for Agricultural Labor in Oregon" submitted to the Oregon State College as a thesis in partial fulfillment of the requirements for the degree of master of science by Harold H. White is a report of a study made cooperatively by the Oregon Agricultural Experiment Station, the Oregon State Planning Board, the National Resources Committee and the Works Progress Administration, in 1937. This study and report sets forth the total number of man hours of labor needed seasonally by counties, districts, and for the state, to handle the 28 major field crop and horticultural enterprises and the eight major livestock and poultry enterprises found on the farms of Oregon.

Seasonal labor requirements in Oregon for the following major enterprises are presented:

FIELD CROP	HORTICULTURAL	LIVESTOCK
Small grains (wheat, oats, barley and rye.)	Apples	Beef Cattle
Hay (alfalfa, clover, vetch, grain, tame grass, wild.)	Pears	Dairy Cattle
Corn for silage, grain, seed.	Prunes	Horses and Mules
Potatoes	Cherries	Hogs
Dry Beans	Peaches	Sheep
Kale	Strawberries	Goats
Roots for Feed	Raspberries	Chickens
Fiber Flax	Loganberries	Turkeys
Annual Legume Seeds	Filberts	
Perennial Legume Seeds	Walnuts	
Grass Seeds	Blackberries	
Hops		

For most counties the acreage covered in the survey includes 95 percent or more of the total harvested acreage for the year 1934 as reported by the 1935 United States Census.

Data is so arranged that seasonal labor needs of any county, district, or the state total, may readily be obtained for any or all of the enterprises covered in the survey.

Extra copies of the statistical tables contained in the study and report are available in the State Planning Board's office, 811 Spalding Building, Portland, Oregon.

A SURVEY OF THE
DEMAND FOR AGRICULTURAL LABOR IN OREGON

by

HAROLD H. WHITE

A THESIS

submitted to the

OREGON STATE COLLEGE

in partial fulfillment of
the requirements for the
degree of

MASTER OF SCIENCE

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APPROVED:

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Professor of Farm Management

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ACKNOWLEDGMENTS

This survey of the "Demand for Agricultural Labor in Oregon" is Part III of a Study of Employment and Migration in Oregon, made by the Oregon State Planning Board in cooperation with the National Resources Committee, the Oregon Agricultural Experiment Station, the Works Progress Administration, and other state and federal agencies.

Administration of the Study of Employment and Migration was in charge of V. B. Stanbery, Executive Secretary and Consultant to the Board. General supervision of Part III was furnished by J. C. Rettie, Associate Consultant assigned by the National Resources Committee.

Professor E. L. Potter, Chief, Division of Agricultural Economics of the Oregon Agricultural Experiment Station, served in an advisory capacity on Part III. Valuable assistance in outlining this study was given by Mr. L. R. Breithaupt, Extension Agricultural Economist, Oregon State College Extension Service. Professors A. S. Burrier, H. D. Scudder, and G. W. Kuhlman of the Farm Management Department, Oregon State College, supplied a great deal of factual data on labor requirements for various farm enterprises.

Practically the entire staff of the School of Agriculture of Oregon State College was drawn upon for

information at some time during the study. Much use has also been made of Experiment Station data, published by the Oregon State College Agricultural Experiment Station in a series of Enterprise Cost and Efficiency Studies. The county agricultural agent's staff gave splendid cooperation and much valuable local information. Clerical and stenographic assistance was supplied by the Works Progress Administration under supervision of V. L. Sexton, Project Supervisor.

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Needs

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F O R E W O R D

In 1937 a study of Employment and Migration in Oregon was undertaken cooperatively between the Oregon Agricultural Experiment Station, the State Planning Board, the National Resources Committee and the Works Progress Administration.

The writer of this report was granted three months sabbatical leave from the Oregon Agricultural Extension Service staff to conduct Part III (the agricultural phase) of this Study of Employment and Migration in Oregon.

Project organization, planning, technical administration and conduct of this phase of the study were assigned the writer. He was appointed as an employee of the National Resources Committee and assigned to the Oregon State Planning Board with full authority to outline the project, determine its scope, method of approach, and procedure. A report of findings was to be submitted to the Oregon State Planning Board for publication.

Throughout the organization and development of the study, the writer was mindful of the thesis requirements of the Oregon State Agricultural College and endeavored to conduct the study in such a manner that the report when completed would be acceptable to the Graduate Council, as well as adequate to the needs of the organizations interested in the findings.

Since the publication of the report for general distribution, by agreement, became a function of the State Planning Board, the writer did not have authority to require observance of certain rules regarding thesis form; hence the sub-standard margins and the use of both sides of the paper for statistical tables.

The enterprise labor schedules used as the basis for this study were prepared under supervision of the writer by Mr. A. W. Wheeler and are being submitted by him in partial fulfillment of requirements of the Oregon State College for a master of science degree.

PURPOSE AND SCOPE OF THE SURVEY

With the influx of large numbers of people from mid-western drought areas, and from other sections of the country, certain problems have emerged which emphasize the need for better statistics on agricultural labor.

It is the purpose of this survey (a) to show by areas the total man power that is needed to handle Oregon's agricultural production seasonally; (b) to indicate periods and areas of high labor needs into which migratory workers and immigrants may be directed; (c) to indicate areas and periods of low labor needs away from which migratory workers and immigrants may be guided; and (d) to supply basic figures by enterprises and areas so that periodic adjustments in the data presented may be computed as the problem changes.

The report deals only with the magnitude of the demand for agricultural labor in Oregon seasonally. It supplies information on the broad problem of farm labor which involves such phases as determination of supply of resident labor available by seasons and areas; probable supply of non-resident labor needed, classified according to age, sex, and experience; determination of working conditions, rates of pay, income, and character of employment; and the development of a system whereby reasonably accurate reports of labor requirements and the supply may

henceforth be made to agencies concerned.

This survey sets forth the total number of man hours of labor needed seasonally by counties and districts to handle Oregon's major crop and livestock enterprises on the farm and range.

Limited time and funds make it impossible in this survey to cover many of the specialty crops, some of which use considerable field labor. Neither was it possible to survey the labor needs for processing various field and horticultural crops and livestock products coming from Oregon's farms, all of which constitute an important part of Oregon's agriculture and agricultural labor problems.

Although the labor problem areas of the state are fairly well defined, it was felt that this initial survey should be state-wide in its scope and that it should cover all of the major crop and livestock enterprises in order that the relationship between areas and the enterprises might be better understood.

Certain crops, for example berries and hops, are commonly looked upon as labor problem crops. In order that the relationship between these so-called problem crops and other crops might be better understood, it was felt advisable to include as many enterprises in the study as the limited time and funds would permit.

Enterprises Surveyed

Data are presented pertaining to twenty-eight field crop and horticultural enterprises: namely; small grains including wheat, oats, barley, and rye; hay of various types, corn for silage, grain and seed; potatoes; dry beans; kale; roots for feed; fiber flax; annual legume seeds; perennial legume seeds; grass seeds; hops; apples; pears; prunes; cherries; peaches; strawberries; raspberries; blackberries; loganberries; filberts; and walnuts.

Percentage of Crop Area of State Surveyed

These 28 enterprises, except in the case of three counties, cover in excess of ninety percent of the harvested acreage of the respective counties as reported in the 1935 United States Census, for the crop year 1934 (see Table 382). The acreage included in this survey by counties in percent of the 1935 United States Census harvested acreage is as follows: Benton, 97; Clackamas, 92; Lane, 92; Linn, 93; Marion, 92; Multnomah, 65; Polk, 96; Washington, 94; Yamhill, 94; Clatsop, 95; Columbia, 88; Coos, 95; Curry, 93; Lincoln, 96; Tillamook, 99; Douglas, 90; Jackson, 94; Josephine, 91; Gilliam, 99.7; Hood River, 79; Morrow, 99.6; Sherman, 99.9; Umatilla, 99; Wasco, 95;

Wheeler, 99.6; Baker, 99; Malheur, 97; Union, 99; Wallowa, 99.6; Crook, 99.9; Deschutes, 99; Grant, 99; Harney, 99; Jefferson, 99.6; Klamath, 99.6; and Lake, 99.8.

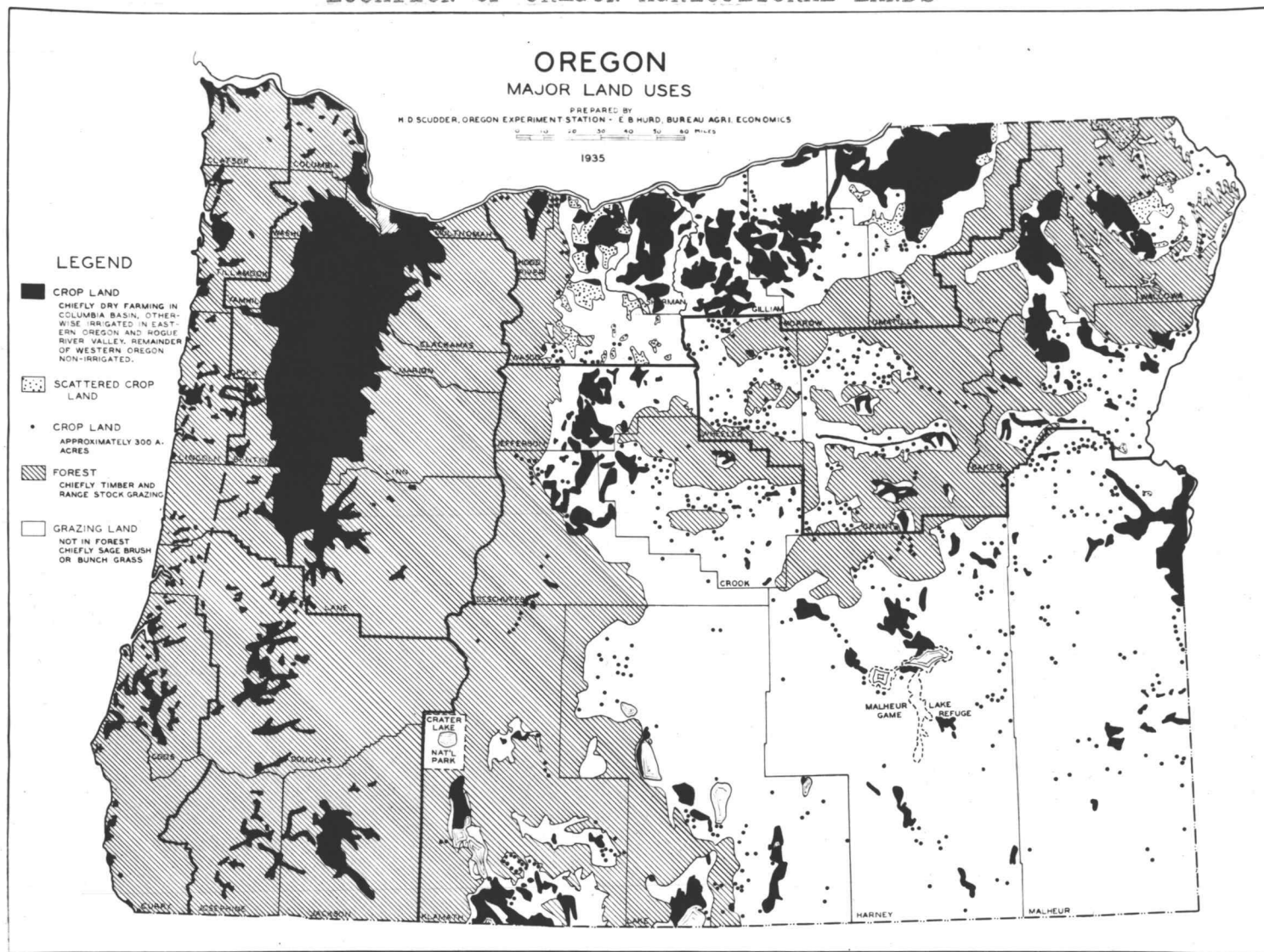
The location of the crop lands of the state are shown in Chart 300.

When the counties are grouped into type of farming districts (see Chart 301) the percentage coverage is as follows: Willamette Valley, 93 percent; Coast and Lower Columbia, 94; Southern Oregon, 91; Columbia Basin, 98; Eastern Oregon, 99; and Central Oregon, 99 percent. For the state as a whole the coverage is 96 percent. In other words 96 percent of the harvested acreage reported by the 1935 census has been involved in this agricultural labor demand survey.

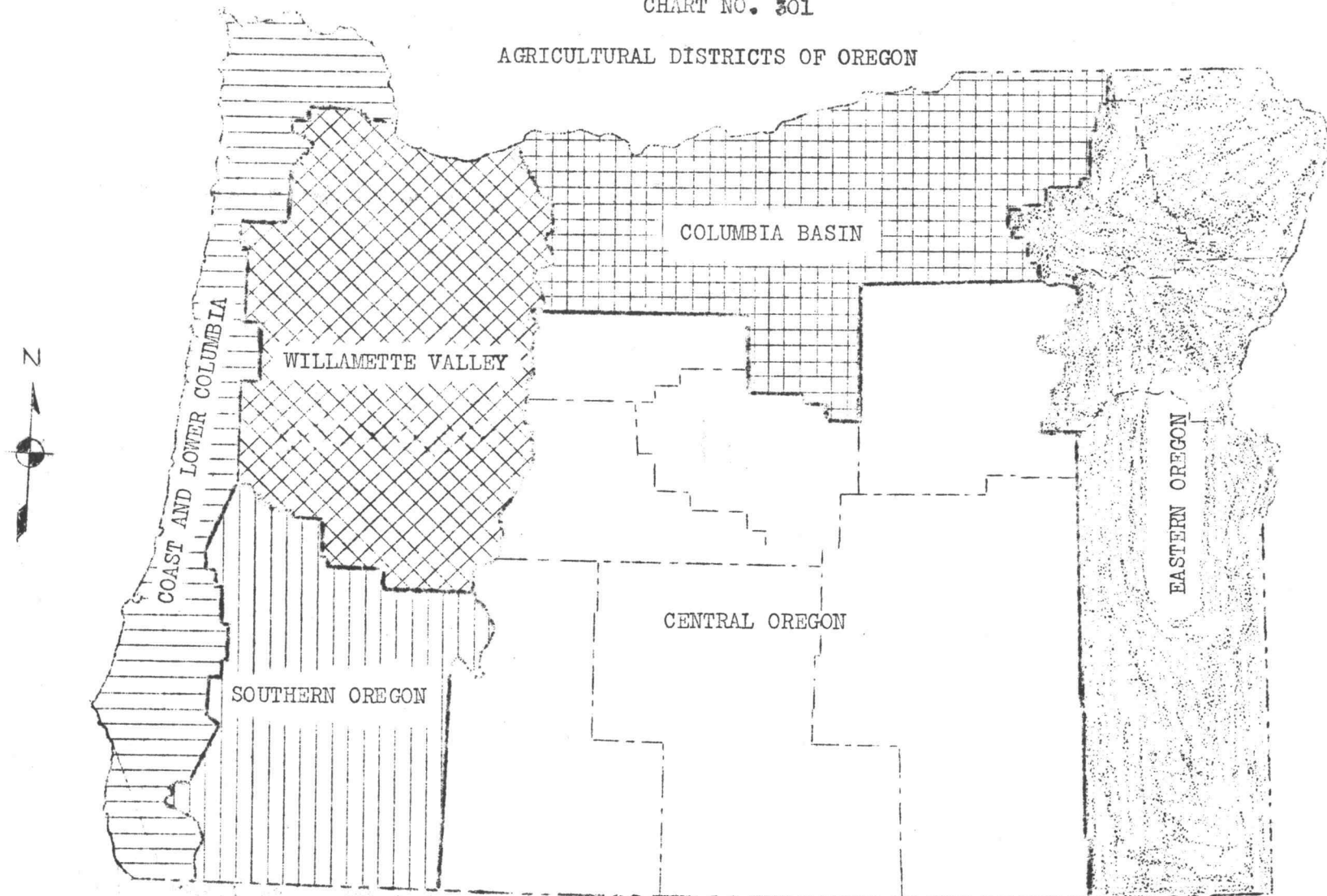
It should be noted that the counties and areas devoted largely to one crop or to relatively few crops show a relatively high percent of coverage. The greater the diversification, as in Multnomah County where there are many small enterprises, the lower the percentage of coverage in this survey. These small enterprises, such as truck crops, flowers, shrubs, medicinal crops, vegetable seeds, etc., involve much field labor, but could not be included in this survey because of limited time and funds.

Data are also presented pertaining to eight major livestock enterprises; namely, beef cattle, dairy cattle,

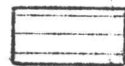
LOCATION OF OREGON AGRICULTURAL LANDS



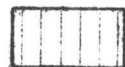
AGRICULTURAL DISTRICTS OF OREGON



Dist. No. I - Willamette Valley



Dist. No. II - Coast & Lower Columbia



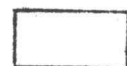
Dist. No. III - Southern Oregon



Dist. No. IV - Columbia Basin



Dist. No. V - Eastern Oregon



Dist. No. VI - Central Oregon

horses and mules, hogs, sheep, goats, chickens and turkeys.

For statistical purposes, the county has been used as the unit of area. However, since agricultural labor problems are not limited by county lines, but rather tend to develop around enterprises that compete seasonally, it was deemed advisable to group the counties into farming districts of several types.

METHOD AND PROCEDURE

Since the purpose of this survey was primarily to determine the man labor needed seasonally by areas to handle the agricultural production of the state, the first step was to select the major crops and livestock enterprises of the various areas and then formulate a schedule showing the man hours required each month to handle a unit of the enterprise. (For samples see appendix.) Having the man hour requirements of an acre, in the case of crops, or per head in the case of livestock, it was then a matter of applying that schedule to the total acreage or the total number of livestock of the county, district, or state to get the total man hour labor needs for the respective area for each enterprise. These enterprise analyses were then brought together to give a picture of the needs for all enterprises by months and by counties, districts, and the state.

In the development of the schedule for each of the 28 field crop and horticultural enterprises and the 8 livestock enterprises involved in the survey, samples of which are appended, all available, reliable published data pertaining to the enterprise under consideration were carefully examined for information pertaining to man-hour labor requirements. Experiment Station information, par-

ticularly that published by the Oregon Agricultural Experiment Station in a series of enterprise cost and efficiency studies, proved especially helpful since it had been developed for some of the crops and localities involved in this survey. Information from other sources had to be evaluated in the light of the locality to which it was being applied.

For many enterprises only fragmentary information was available, so for these it became necessary to develop an estimate of the man-hour labor needs of an acre, or for a unit of livestock or poultry. To do this, all available literature was examined, and many county agricultural agents, growers, and other informed individuals were interviewed to determine what operations were performed, and how and when they were performed in various localities of the state.

Particular attention was given to machines used, their size, type of power, amount of work normally performed in a day, and the number of men required to operate each machine. In cases where hand work only is involved, a standard rate of work was established and this figure used as a guide for all similar operations in different localities.

After analyzing the various operations of each enterprise and determining the number of hours per acre

for each operation, the seasonal distribution of man labor for the enterprise could then be plotted.

Since there is considerable variation in the method of handling a given enterprise in different localities and in the seasonal distribution of labor performed, it was necessary in some instances to prepare two or more schedules for the same enterprise. Effort was made, however, to develop the schedules for each enterprise so they might fit with reasonable accuracy the average operating method throughout the district. Therefore, the schedule used does not fit exactly the operations for any particular farm, but represents the average as regards operations performed, time spent, and seasonal distribution of the time spent. (For sample of enterprise analysis see appendix.)

Table 380 appended hereto sets forth by counties the number of acres of each field crop and horticultural enterprise and the numbers of livestock and poultry covered by the survey. Wherever possible, County Agricultural Planning Committee figures for 1934, or 1935 United States Census figures have been used. For some crops and livestock it was necessary to estimate the acreage and the numbers. All estimates were prepared after careful review of all available published material and interviews with many informed individuals, such as county agricultural agents and farm operators.

SUMMARY OF LABOR DEMAND DATA

The Demand for Agricultural Labor by Enterprises

The labor needs of Oregon for handling the 28 field crop and horticultural enterprises and the 8 livestock and poultry enterprises in 1934 are presented in detail by counties, districts, and for the state, in tables and charts appended to this report.

What the Tables Show

Tables 301 to 336 show the estimated number of man hours required in each month by counties, districts, and for the state, to perform the major operations in each of the following enterprises: small grains (wheat, oats, barley and rye), alfalfa hay, clover hay, vetch hay, grain hay, other tame hay, wild hay, corn, potatoes, dry beans, kale, roots for feed, fiber flax, annual legume seeds, perennial legume seeds, hops, apples, pears, prunes, cherries, peaches, strawberries, raspberries, blackberries, loganberries, filberts, walnuts, beef cattle, dairy cattle, horses and mules, hogs, sheep, goats, chickens, and turkeys.

From these 36 tables it is possible to determine where and when the demand for particular types of agricultural labor develops and the magnitude of that demand.

For example, table 323 (strawberries) shows the magnitude of the demand in terms of man hours necessary for the handling of the 10,633 acres of strawberries grown in 1934.

More than 6,500,000 man hours were required in District I, Willamette Valley, over half of which was needed in Marion, Washington, and Clackamas counties. (See Table No. 323). Little or no labor was performed on strawberries during December, January and February, but in March tillage operations began and the need for man labor on the farm increased rapidly to a peak of nearly 4,370,000 man hours in the Willamette Valley in June when the bulk of the crop was harvested. Estimates of man hours required in processing strawberries and other farm products are not yet available.

To those who are familiar with the type of labor needed to perform certain jobs, for example, berry picking, these tables will indicate the number of persons with qualifications for that work who are likely to be needed in a given county or district, and the month they probably will be needed.

Fiscal organizations will likewise find this material of assistance in pro-rating loans made to growers to meet labor costs.

The Demand for Agricultural Labor in Oregon
by Counties, Districts and the State

What the Tables Show

Tables 337 to 379 show the estimated number of man hours required seasonally in each county, district and the state, to perform major operations in production of all surveyed field crop, horticultural, livestock and poultry enterprises. These tables are so constructed that total requirements of different types of enterprises may be easily obtained. Totals of all field crop and horticultural enterprises, covered by this survey are shown, likewise totals for all livestock and poultry enterprises. These two groups are then thrown together to make a grand total for the area listed.

Summary for the State

Table 337, which summarizes the agricultural labor needs for the State of Oregon, indicates a total demand in 1934 of 154,163,360 man hours to handle the enterprises surveyed. Of this, the 8 livestock and poultry enterprises required 83,919,821 man hours or 54.43 percent of the grand total.

Dairying required the greatest number of man hours of any single enterprise surveyed, the total for

the state being 52,442,904. This accounts for 62.49 percent of all livestock and poultry labor and 34.01 percent of the grand total for the state. Other outstanding enterprises in order of importance are beef cattle, sheep, hay, small grains, hops, strawberries, raspberries, prunes, poultry, horses and mules, potatoes, apples, cherries and pears.

While the livestock enterprises rank high in terms of number of man hours required annually, the hours are fairly evenly distributed by months. These enterprises, therefore, do not appear to present such serious seasonal labor problems as most of the field crop and horticultural enterprises, which have peak demands in certain months.

Seasonal requirements for both these groups of enterprises are shown graphically in Chart 302.

The labor needs of the state viewed seasonally reach a peak of 22,712,534 man hours in July with minor peaks occurring in March and again in September. Of the 22,712,534 man hours required in July, 82.55 percent are needed to handle the field crop and horticultural enterprises. Among the field crop and horticultural enterprises, the hay harvest required in excess of 8,859,000 man hours and the raspberry harvest nearly 4,287,000 man hours. While the requirement for the hay harvest is more than double that of raspberries, the problem is less acute

Chart No. 302

STATE OF OREGON

SEASONAL LABOR NEEDS.

Million
Man Hours

24

22

20

18

16

14

12

10

8

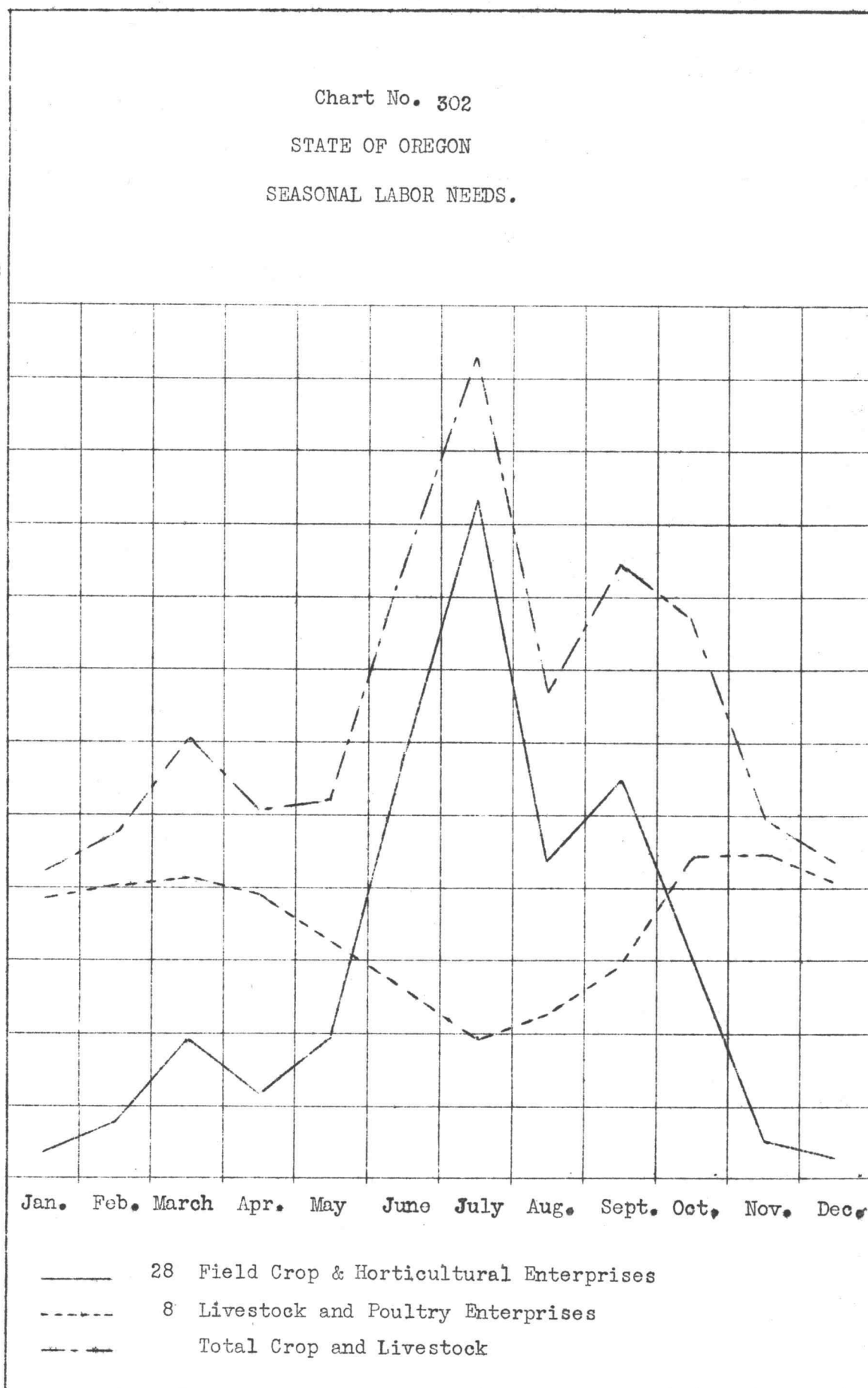
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Jan. Feb. March Apr. May June July Aug. Sept. Oct. Nov. Dec.

- 28 Field Crop & Horticultural Enterprises
----- 8 Livestock and Poultry Enterprises
- - - - Total Crop and Livestock



owing to the fact that hay is a crop grown generally throughout the state, (See Tables Nos. 302-307), while raspberries are confined largely to small sections of the Willamette Valley, being concentrated in Multnomah, Yamhill, and Clackamas counties. (See Table No. 324). Moreover hay is less perishable than raspberries and other soft fruits.

The minor peak occurring in March is the result, largely, of increased requirements in spring seeding of small grains, seeding and cultural practices employed on hay, and the impetus given generally to early spring work with the first break of spring weather.

The more important secondary peak occurring in September is due largely to the harvest requirements of hops and prunes, but is also intensified by other enterprises, such as potatoes, small grains, alfalfa hay, perennial legume seeds, apples, pears, blackberries, filberts and walnuts.

Summary by Districts

Tables 338, 348, 355, 359, 367 and 372 summarize the agricultural labor demands for Districts I, II, III, IV, V, and VI respectively. The following comments touch only the outstanding points. Statistical information on each district may be had by referring to the district

summary table and to the tables for each county included in the district. (For list of counties included in each District see Chart 301 appended.)

The nine counties, (Benton, Clackamas, Lane, Linn, Marion, Multnomah, Polk, Washington and Yamhill) that constitute District No. 1 require about 44.83 percent of the total agricultural labor supply of the state. The magnitude of the demand, monthly, of this district in comparison with the other five districts and the state total is shown graphically in Chart No. 303, 304, 305, 306, 307, and 308.

Chart No. 303 shows the seasonal demands for labor in the district necessary to meet the needs of the 28 field crop and horticultural enterprises in relation to the seasonal demand necessary for the livestock and poultry enterprises and in relation to the district total.

The labor demand of the 8 livestock and poultry enterprises in District No. 1 exceeds that of the 28 field crop and horticultural enterprises during November, December, January, February, March and April, but in May, June, July, August, September and October the relationship is reversed, with crop and horticultural enterprises making heaviest demands.

It is to be noted that the seasonal trend in demand for this district, reaching a major peak in July

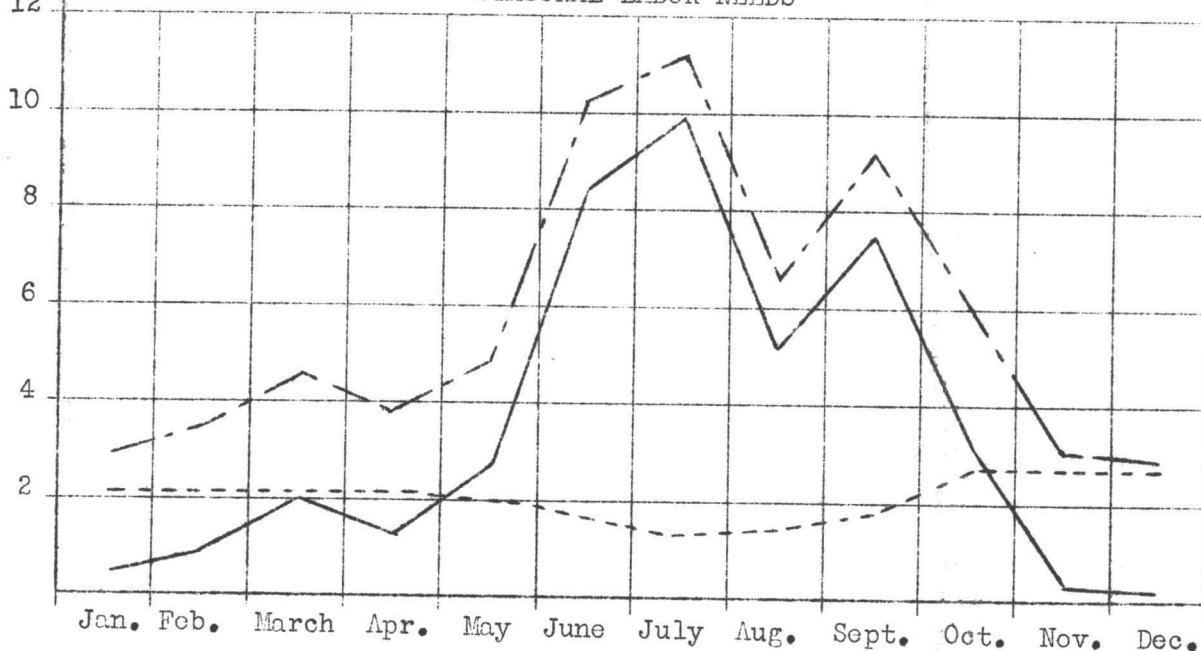
Million
Man Hrs.

12

Chart No. 303

DIST. NO. I - WILLAMETTE VALLEY

SEASONAL LABOR NEEDS



— 28 Field Crop & Horticultural Enterprises
 - - - 8 Livestock and Poultry Enterprises
 - . - . Total Crop and Livestock

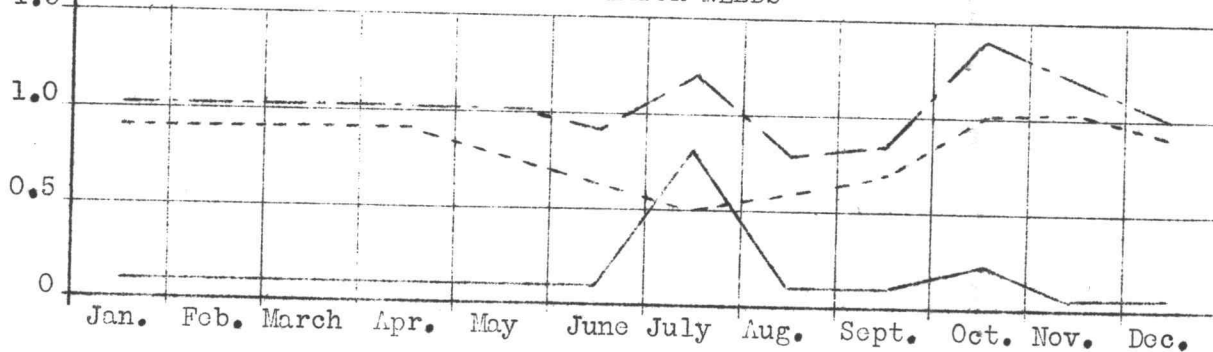
Million
Man Hrs.

1.5

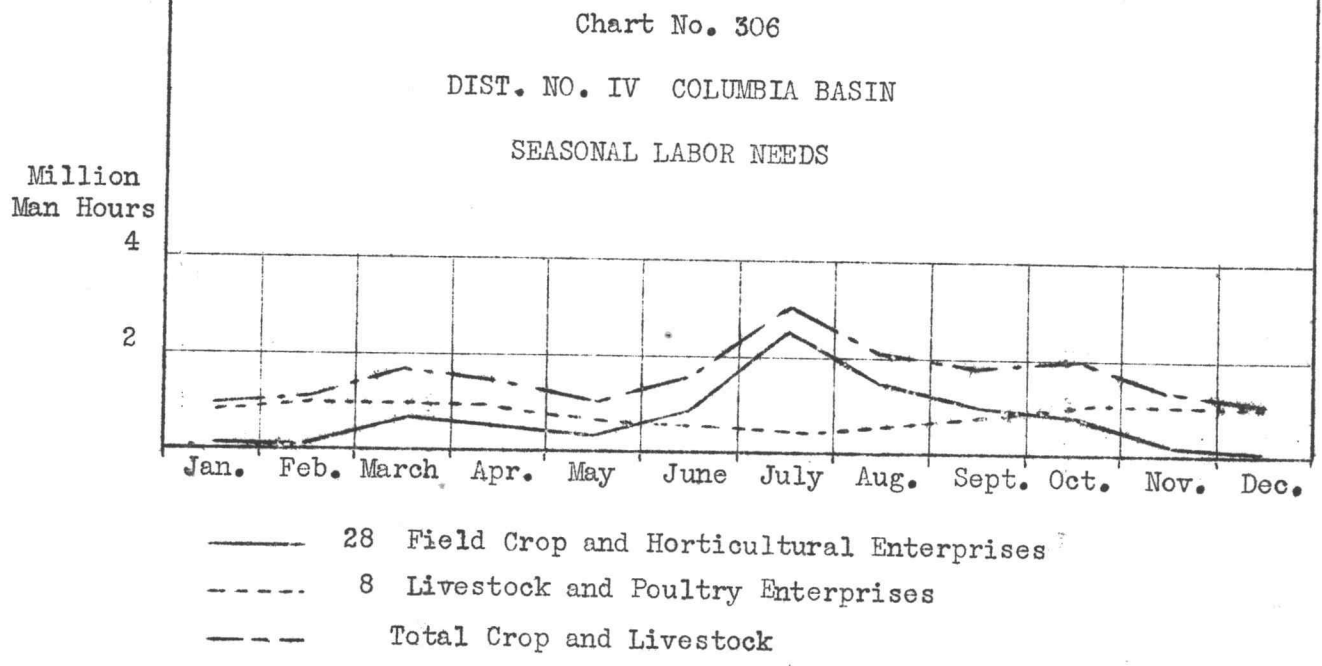
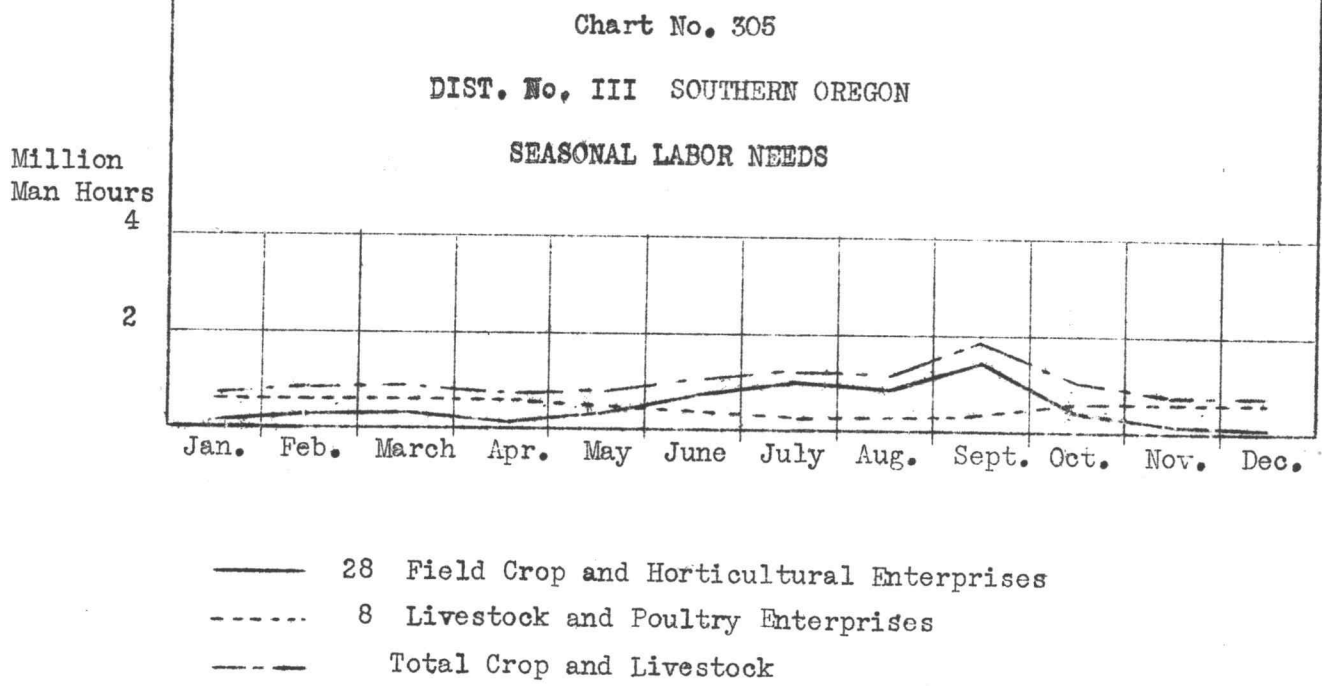
Chart No. 304

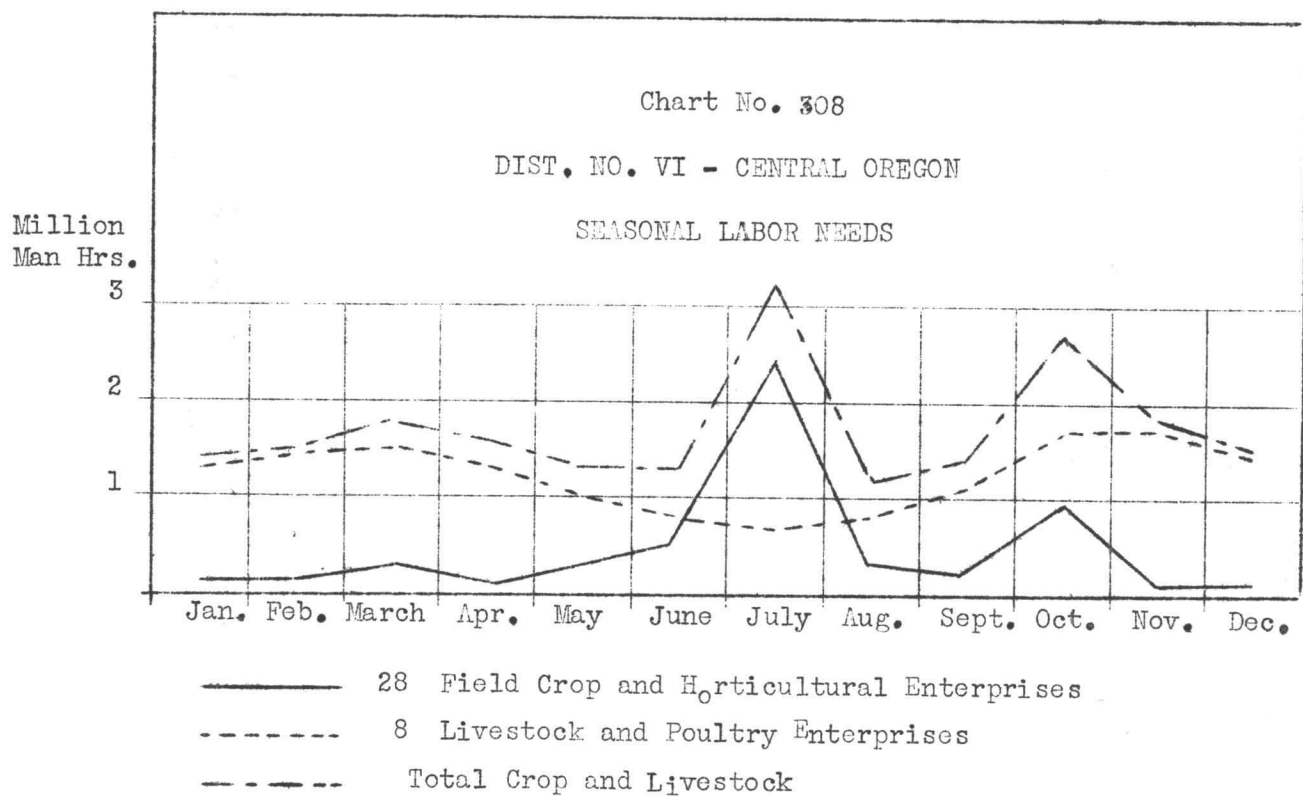
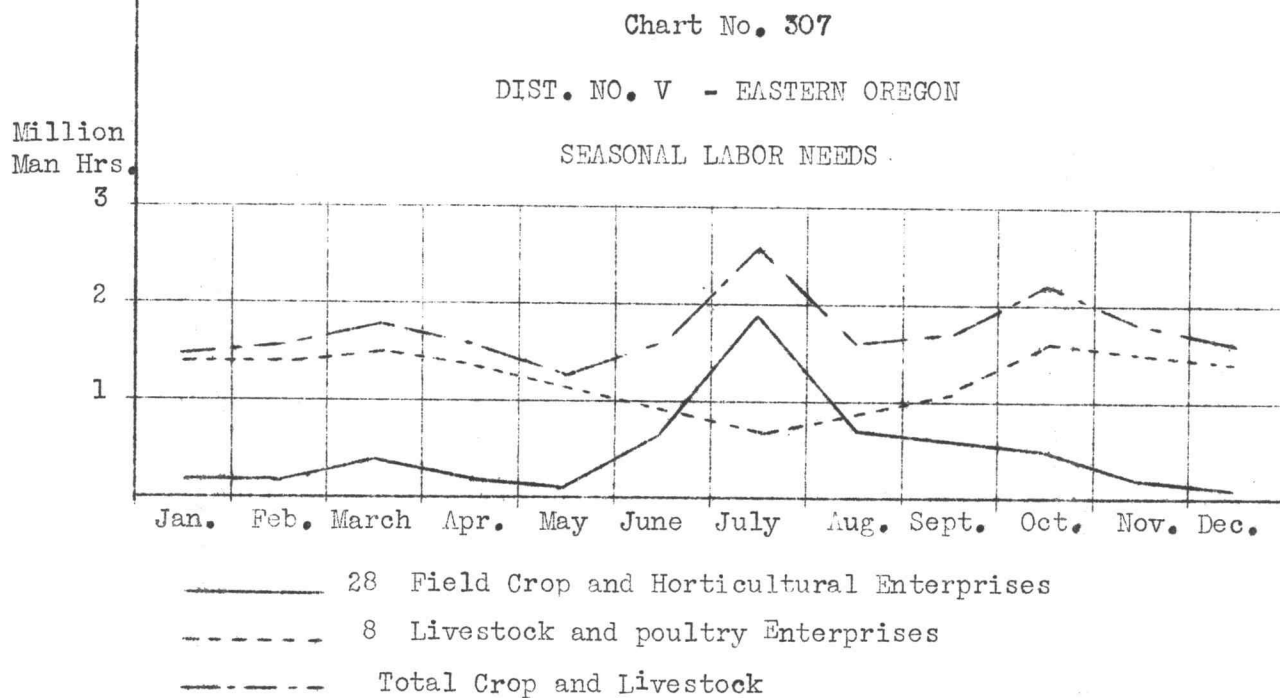
DIST. NO. II - COAST AND LOWER COLUMBIA

SEASONAL LABOR NEEDS



— 28 Field Crop and Horticultural Enterprises
 - - - 8 Livestock and Poultry Enterprises
 - . - . Total Crop and Livestock





with minor peaks in March and September, follows closely that of the state as a whole. The outstanding difference between the curve for the state and for District No. 1 is the longer duration of the peak demand in District No. 1. This is due largely to the sequence in the harvesting of soft fruits beginning with strawberries in May and ending with raspberries, loganberries, and cherries in July. However, other enterprises also contribute to this seasonal need for labor.

The minor peak in September is due almost entirely to the harvest of hops and prunes, most of which are grown in these nine Willamette Valley counties.

In District No. II covering the coast and Lower Columbia counties (summarized statistically in Table No. 348 and graphically in Chart No. 304,) there was a demand for 11,347,576 man hours, only 17.69 percent of which was needed by the 28 field crop and horticultural enterprises. Among the 8 livestock and poultry enterprises which accounted for the other 82.31 percent of the demand, dairy is outstanding, requiring 90.14 percent of all the labor not needed by the crops and horticultural enterprises, and 74.19 percent of the grand total needed in the district.

The seasonal trend in District II shows less variation than in any of the other five districts. (See

Chart No. 304). This is due to the preponderance of dairying and the even distribution of demand for labor by that enterprise.

In District No. III, Southern Oregon, involving only three counties: namely, Douglas, Josephine and Jackson, the demand totals 12,328,593 man hours, 48 percent of which is needed by the field crop and horticultural enterprises and 52 percent by the livestock and poultry enterprises.

Here again, as in the other districts, the demand among the livestock and poultry enterprises varies relatively little as compared with the crop and horticultural enterprises. (See Chart No. 305). Dairying is the outstanding enterprise, but pears, prunes, hay, beef cattle, sheep and poultry are important.

The peak labor demand comes in September, when a total of 1,862,254 man hours are needed; 24 percent in the livestock and poultry enterprises and 76 percent in the field crop and horticultural enterprises. Harvesting of prunes, pears and hops make up much of the demand in this latter group. For statistics concerning District III see Tables 355, 356, 357 and 358.

District IV, Columbia Basin, is summarized in Table 359. Here is indicated a demand for 20,105,946 man hours, 52 percent of which comes from livestock and

poultry and 48 percent from field crop and horticultural enterprises.

Ranked in order of greatest total demand, the livestock and poultry enterprises stand as follows: Dairy, sheep, beef, horses and mules, chickens, hogs, turkeys, and goats.

Among the field crop and horticultural enterprises, small grains account for a total demand of 3,463,495 man hours for the year and a peak of 1,258,362 man hours in August. This enterprise, however, is spread quite generally throughout the seven counties of the district and therefore does not present as great a labor problem as the figures might indicate.

The 10 highest ranking field crop and horticultural enterprises in this district, in order of number of man hours required, are: small grains, hay, apples, cherries, prunes, strawberries, pears, potatoes, raspberries, and corn.

The high point in the seasonal demand for man-labor (See Chart No. 306) came in July when a total of 3,194,879 man hours were required. Of this total 83 percent was needed in the field crop and horticultural enterprises and 17 percent in the livestock and poultry enterprises. Hay, small grains and cherries were outstanding crops making up this July peak. For further

information and details on District IV see Tables 359, 360, 361, 362, 363, 364, 365, and 366.

District No. V, Eastern Oregon, ranks second among the six agricultural districts of the state with a total demand of 20,753,478 man hours. In this district the livestock and poultry enterprises account for nearly 75 percent of the total, while the field crop and horticultural enterprises surveyed account for only 25 percent of the total. This relationship would no doubt change somewhat, were a special study made of the labor problem area adjacent to Ontario in Malheur county, where several enterprises not covered in this survey have assumed importance.

Of the 15,405,156 man hours required by the livestock and poultry enterprises, 8,238,253 were for dairy, 3,370,793 for beef, and 2,545,255 for sheep.

Among the field crop and horticultural enterprises hay was outstanding, demanding over 3,000,000 man hours.

The seasonal peak in District No. V, (See Chart No. 307) occurred in July, when a total of 2,671,891 man hours were needed, 1,943,188 by field crop and horticultural enterprises, and 728,703 by livestock and poultry enterprises. Only slightly less than the July peak is the October peak, when a total of 2,216,673 man hours were required. This second peak was due largely to the

increased man-labor needed to handle dairy, beef, and sheep. For additional details on District No. V see Tables 367, 368, 369, 370 and 371.

In District No. VI, Central Oregon, 20,502,808 man hours were needed to take care of the agricultural production for the seven component counties, namely, Crook, Deschutes, Grant, Harney, Jefferson, Klamath and Lake.

Here, as in District No. V, the livestock and poultry enterprises account for about 75 percent of the total demand. Among the livestock enterprises, however, the rank according to magnitude of demand placed beef at the top with others in the following order: dairy, sheep, horses and mules, chickens, hogs, turkeys and goats.

The peak in man labor demand, (See Chart No. 308) occurred in July, when field crop and horticultural enterprises required 2,522,914 man hours and livestock and poultry enterprises only 728,003 man hours. Hay harvest was largely responsible for the July peak. Additional details relative to District No. VI may be obtained from Tables 372, 373, 374, 375, 376, 377, 378 and 379.

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Annual Legume Seeds	314
Perennial Legume Seeds	315
Grass Seed	316
Hops	317
Apples	318
Pears	319
Prunes	320
Cherries	321
Peaches	322
Strawberries	323
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Title

Table No.

ESTIMATED TOTAL MAN HOURS REQUIRED IN 1934
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Entire State	337
Willamette Valley District	338
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TABLE 301

ESTIMATED LABOR REQUIREMENTS

FOR SMALL GRAINS (WHEAT, OATS, BARLEY AND RYE)

Estimated Number of Man-Hours Required Seasonally in 1934, by
Counties, Districts, and for the State, to Perform Major Operations
in the Production of Small Grains, (Wheat, Oats, Barley and Rye)

District & County	Acreage	Percent Total		Est. No. Man- Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	377920			3711177				
2 Benton	26251	2.17	6.95	257785	2.96	6.95		
3 Clackamas	38937	3.23	10.30	382361	4.40	10.30		
4 Lane	41154	3.41	10.89	404132	4.65	10.89		
5 Linn	81462	6.75	21.56	799957	9.20	21.56		
6 Marion	66390	5.50	17.57	651951	7.50	17.57		
7 Multnomah	2775	.23	.73	27251	.31	.73		
8 Polk	41277	3.42	10.92	405340	4.66	10.92		
9 Washington	36946	3.06	9.78	362810	4.17	9.78		
10 Yamhill	42728	3.54	11.31	419590	4.82	11.31		
11 Coast & Lower Col.	7172			70428				
12 Clatsop	411	.03	5.73	4035	.05	5.73		
13 Columbia	5884	.49	82.04	57781	.66	82.04		
14 Coos	491	.04	6.85	4821	.06	6.85		
15 Curry	21	.001	.29	206	.002	.29		
16 Lincoln	340	.03	4.74	3339	.04	4.74		
17 Tillamook	25	.002	.35	246	.003	.35		
18 Southern Oregon	40316			395905				
19 Douglas	22585	1.87	56.02	221785	2.55	56.02		
20 Jackson	14490	1.20	35.94	142293	1.64	35.94		
21 Josephine	3241	.27	8.04	31827	.37	8.04		
22 Columbia Basin	599220			3463495				
23 Gilliam	99028	8.20	16.53	572382	6.58	16.53		
24 Hood River	283	.02	.05	1635	.02	.05		
25 Morrow	106517	8.82	17.78	615669	7.08	17.78		
26 Sherman	109868	9.10	18.34	635038	7.30	18.34		
27 Umatilla	218443	18.09	36.46	1262601	14.51	36.46		
28 Wasco	59971	4.97	10.01	346632	3.99	10.01		
29 Wheeler	5110	.42	.85	29538	.34	.85		
30 Eastern Oregon	125299			724230				
31 Baker	22867	1.89	18.25	132172	1.52	18.25		
32 Malheur	13369	1.11	10.67	77273	.89	10.67		
33 Union	56048	4.64	44.73	323959	3.73	44.73		
34 Wallowa	33015	2.73	26.35	190826	2.19	26.35		
35 Central Oregon	57489			332283				
36 Crook	5387	.45	9.37	31136	.36	9.37		
37 Deschutes	5905	.49	10.27	34130	.39	10.27		
38 Grant	5201	.43	9.05	30061	.35	9.05		
39 Harney	5504	.46	9.57	31814	.37	9.57		
40 Jefferson	5062	.42	8.81	29259	.34	8.81		
41 Klamath	24184	2.00	42.07	139782	1.61	42.07		
42 Lake	6246	.52	10.87	36101	.42	10.87		
43								
44 Total for State	1207416			8697518				
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally in 1934, by
Counties, Districts, and for the State, to Perform Major Operations
in the Production of Small Grains, (Wheat, Oats, Barley and Rye)

[illegible]

TABLE 302

ESTIMATED LABOR REQUIREMENTS

FOR ALFALFA HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Alfalfa Hay

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	28254			731786			16952	19779
2 Benton	3617	1.49	12.80	93682	1.70	12.80	2170	2532
3 Clackamas	757	.31	2.68	19607	.36	2.68	454	530
4 Lane	6358	2.63	22.50	164674	2.98	22.50	3815	4451
5 Linn	3961	1.64	14.02	102591	1.86	14.02	2377	2773
6 Marion	2846	1.18	10.07	73712	1.33	10.07	1708	1992
7 Multnomah	794	.33	2.81	20564	.37	2.81	476	556
8 Polk	2717	1.12	9.62	70372	1.27	9.62	1630	1902
9 Washington	3699	1.53	13.09	95803	1.73	13.09	2219	2589
10 Yamhill	3505	1.45	12.41	90781	1.64	12.41	2103	2454
11 Coast & Lower Col.	1410			36532			845	998
12 Clatsop								
13 Columbia	364	.15	25.82	9428	.17	25.81	218	255
14 Coos	952	.39	67.52	24657	.45	67.49	571	666
15 Curry	85	.04	6.03	2203	.04	6.03	51	60
16 Lincoln	5	.002	.36	131	.002	.36	3	4
17 Tillamook	4	.002	.28	113	.002	.31	2	13
18 Southern Oregon	26526			770317				18569
19 Douglas	3984	1.65	15.02	115695	2.09	15.02		2789
20 Jackson	19651	8.11	74.08	570667	10.33	74.08		13756
21 Josephine	2891	1.19	10.90	83955	1.52	10.90		2024
22 Columbia Basin	37995			847288				
23 Gilliam	1077	.45	2.84	24017	.44	2.84		
24 Hood River	2191	.91	5.77	48858	.88	5.77		
25 Morrow	5909	2.44	15.55	131772	2.38	15.55		
26 Sherman	24	.01	.06	534	.01	.06		
27 Umatilla	20762	8.57	54.64	462992	8.38	54.64		
28 Wasco	4854	2.00	12.76	108244	1.96	12.78		
29 Wheeler	3178	1.31	8.36	70871	1.28	8.36		
30 Eastern Oregon	100499			2049276				
31 Baker	29349	12.12	29.20	447279	8.09	21.83		
32 Malheur	31623	13.06	31.47	999604	18.09	48.78		
33 Union	25896	10.69	25.77	394656	7.14	19.26		
34 Wallowa	13631	5.63	13.56	207737	3.76	10.14		
35 Central Oregon	47540			1091645				13705
36 Crook	5889	2.43	12.39	133032	2.41	12.19		2945
37 Deschutes	10636	4.39	22.37	240267	4.35	22.01		5318
38 Grant	5540	2.29	11.65	125149	2.26	11.46		2770
39 Harney	3399	1.40	7.15	76784	1.39	7.03		1700
40 Jefferson	1944	.80	4.09	43915	.80	4.02		972
41 Klamath	15604	6.44	32.82	366226	6.63	33.55		
42 Lake	4528	1.87	9.53	106272	1.92	9.74		
43								
44 Total for State	242224			5526844			17797	53051
45								

ESTIMATED LABOR REQUIREMENTS

FOR ALFALFA HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Alfalfa Hay

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
101714	37862	849	281976	180825	89002		2827		1
13021	4847	109	36098	23149	11394		362		2
2725	1014	23	7555	4845	2385		76		3
22889	8520	191	63453	40691	20028		636		4
14260	5308	119	39531	25350	12477		396		5
10246	3814	85	28403	18214	8965		285		6
2858	1064	24	7924	5082	2501		79		7
9781	3641	82	27116	17389	8559		272		8
13316	4957	111	36916	23673	11652		370		9
12618	4697	105	34980	22432	11041		351		10
5075	1890	43	14072	9025	4443		141		11
									12
1310	488	11	3633	2330	1147		36		13
3427	1276	29	9501	6093	2999		95		14
306	114	3	848	544	268		9		15
18	7		50	32	16		1		16
14	5		40	26	13				17
58357	18569		203189	203189	203189	40320	15916	9019	18
8765	2789		30517	30517	30517	6056	2390	1355	19
43232	13756		150527	150527	150527	29870	11791	6681	20
6360	2024		22145	22145	22145	4394	1735	983	21
83589	60791	36476	36476	201753	200994	200614	3799	22796	22
2369	1723	1034	1034	5719	5697	5687	108	646	23
4820	3506	2103	2103	11634	11590	11568	219	1315	24
13000	9454	5673	5673	31377	31259	31200	591	3545	25
53	38	23	23	127	127	127	2	14	26
45676	33219	19932	19932	110246	109831	109623	2076	12457	27
10679	7766	4660	4660	25775	25678	25629	485	2912	28
6992	5085	3051	3051	16875	16812	16780	318	1907	29
118252	42548	63246	359770	611011	411130	424280	15877	3162	30
32871	14088		17609	120624	161713	95091	5283		31
41110	9487	63246	318444	327931	31623	201122	3479	3162	32
29004	12430		15538	106433	142687	83903	4661		33
15267	6543		8179	56023	75107	44164	2454		34
57002	43684	45157	200174	327347	176083	186149	16560	25784	35
5889	7656	6242	6242	33567	33508	33508	530	2945	36
10636	13827	11274	11274	60625	60519	60519	957	5318	37
5540	7202	5872	5872	31578	31523	31523	499	2770	38
3399	4419	3603	3603	19374	19340	19340	306	1700	39
1944	2527	2061	2061	11081	11061	11061	175	972	40
22938	6242	12483	132634	132634	15604	23406	10923	9362	41
6656	1811	3622	38488	38488	4528	6792	3170	2717	42
									43
423989	205344	145771	1095657	1533150	1084841	851363	55120	60761	44
									45

TABLE 303

ESTIMATED LABOR REQUIREMENTS

FOR CLOVER HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Clover Hay

District & County	Acreage	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
		Total	Dist.		Total	Dist.		
1 Willamette Valley	51746			572311				
2 Benton	2000	3.16	3.87	22120	3.16	3.87		
3 Clackamas	7759	12.25	14.99	85815	12.25	14.99		
4 Lane	1800	2.84	3.48	19908	2.84	3.48		
5 Linn	6697	10.58	12.94	74069	10.58	12.94		
6 Marion	8000	12.63	15.46	88480	12.63	15.46		
7 Multnomah	1820	2.87	3.52	20129	2.87	3.52		
8 Polk	5670	8.95	10.96	62710	8.95	10.96		
9 Washington	10000	15.79	19.33	110600	15.79	19.33		
10 Yamhill	8000	12.63	15.46	88480	12.63	15.46		
11 Coast & Lower Col.	3450			38157				
12 Clatsop								
13 Columbia	1200	1.90	34.78	13272	1.90	34.78		
14 Coos	1450	2.29	42.03	16037	2.29	42.03		
15 Curry	300	.47	8.70	3318	.47	8.70		
16 Lincoln	400	.63	11.59	4424	.63	11.59		
17 Tillamook	100	.16	2.90	1106	.16	2.90		
18 Southern Oregon	1600			17696				
19 Douglas	1200	1.90	75.00	13272	1.90	75.00		
20 Jackson	300	.47	18.75	3318	.47	18.75		
21 Josephine	100	.16	6.25	1106	.16	6.25		
22 Columbia Basin	1230			13604				
23 Gilliam								
24 Hood River	600	.95	48.78	6636	.95	48.78		
25 Morrow	430	.68	34.96	4756	.68	34.96		
26 Sherman								
27 Umatilla	200	.32	16.26	2212	.32	16.26		
28 Wasco								
29 Wheeler								
30 Eastern Oregon	4300			47558				
31 Baker	1200	1.90	27.91	13272	1.90	27.91		
32 Malheur	2000	3.16	46.51	22120	3.16	46.51		
33 Union	100	.16	2.33	1106	.16	2.33		
34 Wallowa	1000	1.58	23.26	11060	1.58	23.26		
35 Central Oregon	998			11038				
36 Crook	150	.24	15.03	1659	.24	15.03		
37 Deschutes	23	.04	2.31	254	.04	2.30		
38 Grant								
39 Harney	77	.12	7.72	852	.12	7.72		
40 Jefferson	20	.03	2.00	221	.03	2.00		
41 Klamath	700	1.11	70.14	7742	1.11	70.14		
42 Lake	28	.04	2.81	310	.04	2.81		
43								
44 Total for State	63324			700364				
45								

TABLE 304

ESTIMATED LABOR REQUIREMENTS

FOR VETCH HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Vetch Hay

District & County	Acreage	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
		Total	State Dist.		Total	State Dist.		
1 Willamette Valley	85703			1208412				
2 Benton	6800	6.92	7.93	95880	6.92	7.93		
3 Clackamas	9683	9.85	11.30	136530	9.85	11.30		
4 Lane	11899	12.10	13.88	167776	12.10	13.88		
5 Linn	11497	11.69	13.42	162108	11.69	13.42		
6 Marion	14866	15.12	17.35	209611	15.12	17.35		
7 Multnomah	323	.33	.38	4554	.33	.38		
8 Polk	9402	9.56	10.97	132568	9.56	10.97		
9 Washington	7643	7.77	8.92	107766	7.77	8.92		
10 Yamhill	13590	13.82	15.86	191619	13.82	15.86		
11 Coast & Lower Col.	4080			57529				
12 Clatsop	122	.12	2.99	1720	.12	2.99		
13 Columbia	2560	2.60	62.75	36096	2.60	62.74		
14 Coos	1175	1.20	28.80	16568	1.20	28.80		
15 Curry	180	.18	4.41	2538	.18	4.41		
16 Lincoln	36	.04	.88	508	.04	.88		
17 Tillamook	7	.01	.17	99	.01	.17		
18 Southern Oregon	8064			113702				
19 Douglas	7514	7.64	93.18	105947	7.64	93.18		
20 Jackson	96	.10	1.19	1354	.10	1.19		
21 Josephine	454	.46	5.63	6401	.46	5.63		
22 Columbia Basin	31			437				
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla	30	.03	96.77	423	.03	96.80		
28 Wasco	1	.001	3.23	14	.001	3.20		
29 Wheeler								
30 Eastern Oregon	192			2707				
31 Baker	70	.07	36.46	987	.07	36.46		
32 Malheur	37	.04	19.27	522	.04	19.28		
33 Union	43	.04	22.40	606	.04	22.39		
34 Wallowa	42	.04	21.88	592	.04	21.87		
35 Central Oregon	260			3666				
36 Crook	35	.04	13.46	494	.03	13.48		
37 Deschutes	208	.21	80.00	2933	.21	80.01		
38 Grant	4	.004	1.54	56	.004	1.53		
39 Harney	1	.001	.39	14	.001	.38		
40 Jefferson								
41 Klamath	10	.01	3.85	141	.01	3.85		
42 Lake	2	.002	.77	28	.002	.76		
43								
44 Total for State	98330			1386453				
45								

TABLE 305

ESTIMATED LABOR REQUIREMENTS

FOR GRAIN HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Grain Hay

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	90973			1128066				
2 Benton	5382	1.39	5.92	66737	1.39	5.92		
3 Clackamas	16219	4.17	17.59	201116	4.17	17.83		
4 Lane	19202	4.94	20.89	238105	4.94	21.11		
5 Linn	13160	3.39	14.29	163184	3.39	14.47		
6 Marion	12425	3.20	13.19	154070	3.20	13.66		
7 Multnomah	1507	.39	1.66	18687	.39	1.66		
8 Polk	4445	1.14	4.89	55118	1.14	4.89		
9 Washington	11908	3.07	13.19	147659	3.07	13.09		
10 Yamhill	6725	1.73	7.39	83390	1.73	7.39		
11 Coast & Lower Col.	16043			198932				
12 Clatsop	913	.24	5.69	11321	.24	5.69		
13 Columbia	2934	.76	18.29	36382	.76	18.29		
14 Coos	4841	1.25	30.18	60028	1.25	30.18		
15 Curry	1158	.30	7.22	14359	.30	7.22		
16 Lincoln	3626	.93	22.60	44962	.93	22.60		
17 Tillamook	2571	.66	16.03	31880	.66	16.03		
18 Southern Oregon	33299			412908				
19 Douglas	16927	4.36	50.83	209895	4.36	50.83		
20 Jackson	11354	2.92	34.10	140790	2.92	34.10		
21 Josephine	5018	1.29	15.07	62223	1.29	15.07		
22 Columbia Basin	116065			1439205				
23 Gilliam	15451	3.98	14.21	191592	3.98	13.31		
24 Hood River	888	.23	.77	11011	.23	.77		
25 Morrow	19828	5.10	17.08	245867	5.10	17.08		
26 Sherman	18608	4.79	16.03	230739	4.79	16.03		
27 Umatilla	29411	7.57	25.34	364696	7.57	25.34		
28 Wasco	20547	5.29	17.70	254783	5.29	17.70		
29 Wheeler	11332	2.92	9.76	140517	2.92	9.76		
30 Eastern Oregon	44098			546816				
31 Baker	7769	2.00	17.62	96336	2.00	17.62		
32 Malheur	7494	1.93	16.99	92926	1.93	16.99		
33 Union	7752	2.00	17.58	96125	2.00	17.58		
34 Wallowa	21083	5.43	47.81	261429	5.43	47.81		
35 Central Oregon	88055			1091882				
36 Crook	13394	3.45	15.21	166086	3.45	15.21		
37 Deschutes	6753	1.74	7.67	83737	1.74	7.67		
38 Grant	16291	4.19	18.50	202008	4.19	18.50		
39 Harney	6606	1.70	7.50	81914	1.70	7.50		
40 Jefferson	4267	1.10	4.85	52911	1.10	4.85		
41 Klamath	27364	7.04	31.08	339314	7.04	31.08		
42 Lake	13380	3.44	15.20	165912	3.44	15.20		
43								
44 Total for State	388533			4817809				
45								

ESTIMATED LABOR REQUIREMENTS

FOR GRAIN HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Grain Hay

[illegible]

TABLE 306

ESTIMATED LABOR REQUIREMENTS

FOR TAME HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Tame Hay

District & County	Acreage	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
		Total	State Dist.		Total	State Dist.		
1 Willamette Valley	42836			531166				
2 Benton	4400	1.99	10.27	54560	1.99	10.27		
3 Clackamas	2500	1.13	5.84	31000	1.13	5.84		
4 Lane	6500	2.93	15.17	80600	2.93	15.17		
5 Linn	9000	4.06	21.01	111600	4.06	21.01		
6 Marion	7200	3.25	16.81	89280	3.25	16.81		
7 Multnomah	3000	1.35	7.00	37200	1.35	7.00		
8 Polk	3796	1.71	8.86	47070	1.71	8.86		
9 Washington	4440	2.00	10.37	55056	2.00	10.37		
10 Yamhill	2000	.90	4.67	24800	.90	4.67		
11 Coast & Lower Col.	32291			400408				
12 Clatsop	4057	1.83	12.56	50307	1.83	12.56		
13 Columbia	5000	2.26	15.48	62000	2.26	15.48		
14 Coos	8700	3.93	26.94	107880	3.93	26.94		
15 Curry	2733	1.23	8.46	33889	1.23	8.46		
16 Lincoln	3868	1.75	11.98	47963	1.75	11.98		
17 Tillamook	7933	3.58	24.57	98369	3.58	24.57		
18 Southern Oregon	11589			143704				
19 Douglas	2800	1.26	24.16	34720	1.26	24.16		
20 Jackson	6165	2.78	53.20	76446	2.78	53.20		
21 Josephine	2624	1.18	22.64	32538	1.18	22.64		
22 Columbia Basin	5245			65037				
23 Gilliam	136	.06	2.59	1686	.06	2.59		
24 Hood River	256	.12	4.88	3174	.12	4.88		
25 Morrow	200	.09	3.81	2480	.09	3.81		
26 Sherman	10	.01	.19	124	.01	.19		
27 Umatilla	1000	.45	19.07	12400	.45	19.07		
28 Wasco	2061	.93	39.30	25556	.93	39.30		
29 Wheeler	1582	.71	30.16	19617	.71	30.16		
30 Eastern Oregon	43500			539400				
31 Baker	24500	11.06	56.32	303800	11.06	56.32		
32 Malheur	4000	1.81	9.20	49600	1.81	9.20		
33 Union	9000	4.06	20.69	111600	4.06	20.69		
34 Wallowa	6000	2.71	13.79	74400	2.71	13.79		
35 Central Oregon	86073			1067306				
36 Crook	7000	3.16	8.13	86800	3.16	8.13		
37 Deschutes	400	.18	.47	4960	.18	.47		
38 Grant	19904	8.99	23.13	246810	8.99	23.13		
39 Harney	30000	13.54	34.85	372000	13.54	34.85		
40 Jefferson	187	.08	.22	2319	.08	.22		
41 Klamath	14388	6.50	16.72	178411	6.50	16.72		
42 Lake	14194	6.41	16.49	176006	6.41	16.49		
43								
44 Total for State	221534			2747021				
45								

ESTIMATED LABOR REQUIREMENTS

FOR TAME HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Tame Hay

[illegible]

TABLE 307

ESTIMATED LABOR REQUIREMENTS

FOR WILD HAY

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Wild Hay

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	6404			53794				
2 Benton	150	.15	2.34	1260	.15	2.34		
3 Clackamas	600	.61	9.37	5040	.61	9.37		
4 Lane	2200	2.25	34.35	18480	2.25	34.35		
5 Linn	1000	1.02	15.62	8400	1.02	15.62		
6 Marion								
7 Multnomah	1500	1.53	23.42	12600	1.53	23.42		
8 Polk	400	.41	6.25	3360	.41	6.25		
9 Washington	554	.57	8.65	4654	.57	8.65		
10 Yamhill								
11 Coast & Lower Col.	3500			29400				
12 Clatsop	600	.61	17.14	5040	.61	17.14		
13 Columbia	1300	1.33	37.14	10920	1.33	37.14		
14 Coos	400	.41	11.43	3360	.41	11.43		
15 Curry								
16 Lincoln	700	.71	20.00	5880	.71	20.00		
17 Tillamook	500	.51	14.29	4200	.51	14.29		
18 Southern Oregon	2200			18480				
19 Douglas	400	.41	18.18	3360	.41	18.18		
20 Jackson	1500	1.53	68.18	12600	1.53	68.18		
21 Josephine	300	.31	13.64	2520	.31	13.64		
22 Columbia Basin	3710			31164				
23 Gilliam								
24 Hood River								
25 Morrow	37	.04	1.00	311	.04	1.00		
26 Sherman	6	.01	.16	50	.01	.16		
27 Umatilla	2000	2.04	53.91	16800	2.04	53.91		
28 Wasco	1000	1.02	26.95	8400	1.02	26.95		
29 Wheeler	667	.68	17.98	5603	.68	17.98		
30 Eastern Oregon	20687			173772				
31 Baker	12539	12.79	60.61	105328	12.79	60.61		
32 Malheur	4844	4.94	23.42	40690	4.94	23.42		
33 Union	2244	2.29	10.85	18850	2.29	10.85		
34 Wallowa	1060	1.08	5.12	8904	1.08	5.12		
35 Central Oregon	61504			516633				
36 Crook	1166	1.19	1.90	9794	1.19	1.90		
37 Deschutes	249	.25	.41	2092	.25	.41		
38 Grant	3000	3.06	4.88	25200	3.06	4.88		
39 Harney	10497	10.71	17.07	88175	10.71	2.07		
40 Jefferson								
41 Klamath	13471	13.75	21.90	113156	13.75	21.90		
42 Lake	33121	33.80	53.85	278216	33.80	53.85		
43								
44 Total for State	98005			823243				
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Wild Hay

[illegible]

TABLE 308

ESTIMATED LABOR REQUIREMENTS

FOR CORN

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Corn

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	37552			1036058				30792
2 Benton	1174	2.17	3.13	32392	2.19	3.13		963
3 Clackamas	5777	10.69	15.38	159387	10.79	15.38		4737
4 Lane	3501	6.48	9.32	96592	6.54	9.32		2871
5 Linn	4864	9.00	12.95	134198	9.09	12.95		3988
6 Marion	10237	18.94	27.26	282438	19.12	27.26		8394
7 Multnomah	1172	2.17	3.12	32335	2.19	3.12		961
8 Polk	2135	3.95	5.69	58905	3.99	5.69		1751
9 Washington	4876	9.02	12.99	134528	9.11	12.99		3998
10 Yamhill	3816	7.06	10.16	105283	7.13	10.16		3129
11 Coast & Lower Col.	2628			72505				2155
12 Clatsop	22	.04	.84	606	.04	.84		18
13 Columbia	687	1.27	26.14	18554	1.28	26.14		563
14 Coos	1529	2.83	58.18	42185	2.86	58.18		1254
15 Curry	240	.44	9.13	6622	.44	9.13		197
16 Lincoln	126	.23	4.80	3475	.24	4.79		103
17 Tillamook	24	.04	.91	663	.05	.91		20
18 Southern Oregon	7161			197572				5872
19 Douglas	3678	6.81	51.36	101477	6.87	51.36		3016
20 Jackson	2688	4.97	37.54	74161	5.02	37.54		2204
21 Josephine	795	1.47	11.10	21934	1.49	11.10		652
22 Columbia Basin	2572			70961				2109
23 Gilliam	146	.27	5.68	4029	.27	5.68		120
24 Hood River	172	.32	6.69	4745	.32	6.69		141
25 Morrow	600	1.11	23.33	16554	1.12	23.33		492
26 Sherman	10	.02	.39	275	.02	.39		8
27 Umatilla	1396	2.58	54.28	38515	2.61	54.28		1145
28 Wasco	133	.25	5.17	3670	.25	5.17		109
29 Wheeler	115	.21	4.47	3173	.22	4.47		94
30 Eastern Oregon	3969			95597				1284
31 Baker	309	.57	7.79	8526	.58	8.92		253
32 Malheur	2402	4.45	60.52	52364	3.55	54.78		
33 Union	477	.88	12.02	13160	.89	13.77		391
34 Wallowa	781	1.45	19.68	21547	1.46	22.54		640
35 Central Oregon	161			4442				131
36 Crook	9	.02	5.59	249	.02	5.61		7
37 Deschutes	25	.05	15.53	689	.05	15.51		20
38 Grant	118	.22	73.29	3256	.22	73.30		97
39 Harney								
40 Jefferson	2	.004	1.24	54	.004	1.22		1
41 Klamath	7	.01	4.35	194	.01	4.37		6
42 Lake								
43								
44 Total for State	54043			1477135				42343
45								

ESTIMATED LABOR REQUIREMENTS

FOR CORN

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Corn

[illegible]

FOR POTATOES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Potatoes

District & County	Acreage	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
		Total	Dist.		Total	Dist.		
1 Willamette Valley	22857			1259879			29714	60114
2 Benton	650	1.25	2.84	35830	1.24	2.84	845	1710
3 Clackamas	6442	12.34	28.18	355083	12.30	28.18	8375	16942
4 Lane	2234	4.28	9.77	123136	4.27	9.77	2904	5875
5 Linn	1532	2.94	6.70	84445	2.93	6.70	1992	4029
6 Marion	2924	5.60	12.79	161170	5.58	12.79	3801	7690
7 Multnomah	2958	5.67	12.94	163045	5.65	12.94	3845	7780
8 Polk	954	1.83	4.17	52584	1.82	4.17	1240	2509
9 Washington	4012	7.69	17.55	221143	7.66	17.55	5216	10552
10 Yamhill	1151	2.21	5.04	63443	2.20	5.04	1496	3027
11 Coast & Lower Col.	3432			189174			4463	9025
12 Clatsop	183	.35	5.33	10086	.35	5.33	238	481
13 Columbia	1670	3.20	48.66	92050	3.19	48.66	2171	4392
14 Coos	796	1.53	23.19	43876	1.52	23.19	1035	2093
15 Curry	172	.33	5.01	9481	.33	5.01	224	452
16 Lincoln	436	.84	12.70	24034	.83	12.71	567	1147
17 Tillamook	175	.34	5.10	9647	.33	5.60	228	460
18 Southern Oregon	1019			56543			1325	2679
19 Douglas	569	1.09	55.84	31573	1.09	55.84	740	1496
20 Jackson	299	.57	29.34	16592	.58	29.34	389	786
21 Josephine	151	.29	14.82	8378	.29	14.82	196	397
22 Columbia Basin	3579			198596			4652	9413
23 Gilliam	63	.12	1.76	3497	.12	1.76	82	166
24 Hood River	588	1.13	16.43	32626	1.13	16.43	764	1546
25 Morrow	279	.53	7.80	15482	.53	7.80	363	734
26 Sherman	84	.16	2.35	4661	.16	2.35	109	221
27 Umatilla	2083	3.99	58.20	115586	4.00	58.20	2708	5478
28 Wasco	414	.79	11.57	22971	.80	11.57	538	1089
29 Wheeler	68	.13	1.90	3773	.13	1.90	88	179
30 Eastern Oregon	5096			282779			6625	13403
31 Baker	958	1.84	18.80	53160	1.84	18.80	1245	2520
32 Malheur	3145	6.03	61.72	174516	6.05	61.72	4089	8271
33 Union	763	1.46	14.97	42340	1.47	14.97	992	2007
34 Wallowa	230	.44	4.51	12763	.44	4.51	299	605
35 Central Oregon	16216			899828			21081	42649
36 Crook	1846	3.54	11.38	102435	3.55	11.38	2400	4855
37 Deschutes	3377	6.47	20.83	187390	6.49	20.83	4390	8882
38 Grant	220	.42	1.36	12209	.42	1.36	286	579
39 Harney	88	.17	.54	4881	.17	.54	114	231
40 Jefferson	22	.04	.14	1222	.04	.14	29	58
41 Klamath	10503	20.12	64.77	582812	20.19	64.77	13654	27623
42 Lake	160	.31	.99	8879	.31	.99	208	421
43								
44 Total for State	52199			2886799			67860	137283
45								

ESTIMATED LABOR REQUIREMENTS.

FOR POTATOES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Potatoes

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
60114	30401	252114	228570	45714			493710	29714	29714	1
1710	865	7170	6500	1300			14040	845	845	2
16942	8568	71055	64420	12884			139147	8375	8375	3
5875	2971	24641	22340	4468			48254	2904	2904	4
4029	2038	16898	15320	3064			33091	1992	1992	5
7690	3889	32252	29240	5848			63158	3801	3801	6
7780	3934	32627	29580	5916			63893	3845	3845	7
2509	1269	10523	9540	1908			20606	1240	1240	8
10552	5336	44252	40120	8024			86659	5216	5216	9
3027	1531	12696	11510	2302			24862	1496	1496	10
9025	4565	37854	34320	6864			74132	4463	4463	11
481	243	2018	1830	366			3953	238	238	12
4392	2221	18420	16700	3340			36072	2171	2171	13
2093	1059	8780	7960	1592			17194	1035	1035	14
452	229	1897	1720	344			3715	224	224	15
1147	580	4809	4360	872			9418	567	567	16
460	233	1930	1750	350			3780	228	228	17
2679	1345	11240	10190	2425			22101	1325	1325	18
1496	751	6276	5690	1354			12290	740	740	19
786	395	3298	2990	712			6458	389	389	20
397	199	1666	1510	359			3262	196	196	21
9413	4724	39476	35790	8518			77306	4652	4652	22
166	83	695	630	150			1361	82	82	23
1546	776	6486	5880	1399			12701	764	764	24
734	368	3077	2790	664			6026	363	363	25
221	111	927	840	200			1814	109	109	26
5478	2750	22975	20830	4958			44993	2708	2708	27
1089	546	4566	4140	985			8942	538	538	28
179	90	750	680	162			1469	88	88	29
13403	6727	56209	50960	12128			110074	6625	6625	30
2520	1265	10567	9580	2280			20693	1245	1245	31
8271	4151	34689	31450	7485			67932	4089	4089	32
2007	1007	8416	7630	1816			16481	992	992	33
605	304	2537	2300	547			4968	299	299	34
42649	21405	178863	162160	38593			350266	21081	21081	35
4855	2437	20361	18460	4393			39874	2400	2400	36
8882	4458	37248	33770	8037			72943	4390	4390	37
579	290	2427	2200	524			4752	286	286	38
231	116	971	880	209			1901	114	114	39
58	29	243	220	52			475	29	29	40
27623	13864	115848	105030	24997			226865	13654	13654	41
421	211	1765	1600	381			3456	208	208	42
137283	69167	575756	521990	114242			1127498	67860	67860	43
										44
										45

TABLE 310

ESTIMATED LABOR REQUIREMENTSFOR DRY BEANS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Dry Beans

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	181			6036				
2 Benton	15	1.22	8.29	501	1.22	8.30		
3 Clackamas								
4 Lane	25	2.02	13.81	835	2.03	13.83		
5 Linn	131	10.61	72.38	4367	10.61	72.35		
6 Marion								
7 Multnomah								
8 Polk								
9 Washington								
10 Yamhill	10	.81	5.53	333	.81	5.52		
11 Coast & Lower Col.	5			167				
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry	5	.41	100.00	167	.41	100.00		
16 Lincoln								
17 Tillamook								
18 Southern Oregon	65			2168				
19 Douglas	20	1.62	30.77	667	1.62	30.77		
20 Jackson	45	3.64	69.23	1501	3.65	69.23		
21 Josephine								
22 Columbia Basin	205			6835				
23 Gilliam								
24 Hood River	5	.41	2.44	167	.41	2.44		
25 Morrow								
26 Sherman								
27 Umatilla	200	16.19	97.56	6668	16.19	97.56		
28 Wasco								
29 Wheeler								
30 Eastern Oregon	775			25839				
31 Baker								
32 Malheur	750	60.73	96.77	25005	60.72	96.77		
33 Union	20	1.62	2.58	667	1.62	2.58		
34 Wallowa	5	.41	.65	167	.41	.65		
35 Central Oregon	4			134				
36 Crook								
37 Deschutes	4	.32	100.00	134	.33	100.00		
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	1235			41179				
45								

ESTIMATED LABOR REQUIREMENTS

FOR DRY BEANS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Dry Beans

[illegible]

TABLE 311

ESTIMATED LABOR REQUIREMENTS

FOR KALE

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Kale

District & County	Acreage	Percent Total		Est. No. Man- Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	5095			332913			27921	27921
2 Benton	95	1.79	1.87	6209	1.79	1.87	521	521
3 Clackamas	2000	37.67	39.25	130680	37.66	39.25	10960	10960
4 Lane	150	2.83	2.94	9803	2.83	2.95	822	822
5 Linn	200	3.77	3.93	13068	3.77	3.93	1096	1096
6 Marion								
7 Multnomah	450	8.48	8.83	29405	8.48	8.83	2466	2466
8 Polk	1000	18.83	19.63	65340	18.83	19.63	5480	5480
9 Washington	800	15.07	15.70	52272	15.07	15.70	4384	4384
10 Yamhill	400	7.53	7.85	26136	7.53	7.85	2192	2192
11 Coast & Lower Col.	165			10785			904	904
12 Clatsop	50	.94	30.30	3269	.94	30.31	274	274
13 Columbia								
14 Coos	15	.28	9.09	979	.28	9.08	82	82
15 Curry								
16 Lincoln	75	1.41	45.46	4903	1.41	45.46	411	411
17 Tillamook	25	.47	15.15	1634	.47	15.15	137	137
18 Southern Oregon	50			3269			274	274
19 Douglas	50	.94	100.00	3269	.94	100.00	274	274
20 Jackson								
21 Josephine								
22 Columbia Basin								
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	5310			346967			29099	29099
45								

ESTIMATED LABOR REQUIREMENTS

FOR KALE

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Kale

[illegible]

TABLE 312

ESTIMATED LABOR REQUIREMENTS

FOR ROOTS FOR FEED

Estimated Number of Man-Hours Required Seasonally in 1934
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Roots for Feed

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	4605			268382				
2 Benton	75	.92	1.63	4374	.92	1.63		
3 Clackamas	1000	12.27	21.72	58280	12.27	21.72		
4 Lan	500	6.13	10.86	29140	6.13	10.86		
5 Linn	1500	18.40	32.57	87420	18.40	32.57		
6 Marion								
7 Multnomah	100	1.23	2.17	5828	1.23	2.17		
8 Polk	100	1.23	2.17	5828	1.23	2.17		
9 Washington	1300	15.95	28.23	75764	15.95	28.23		
10 Yamhill	30	.37	.65	1748	.37	.65		
11 Coast & Lower Col.	3050			177754				
12 Clatsop	500	6.13	16.39	29140	6.13	16.39		
13 Columbia	500	6.13	16.39	29140	6.13	16.39		
14 Coos	500	6.13	16.39	29140	6.13	16.39		
15 Curry	150	1.84	4.92	8742	1.84	4.92		
16 Lincoln	400	4.91	13.12	23312	4.91	13.12		
17 Tillamook	1000	12.27	32.79	58280	12.27	32.79		
18 Southern Oregon	55			3208				
19 Douglas	25	.31	45.46	1460	.31	45.51		
20 Jackson	30	.37	54.55	1748	.37	54.49		
21 Josephine								
22 Columbia Basin	40			2332				
23 Gilliam								
24 Hood River	20	.25	50.00	1166	.25	50.00		
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco	20	.25	50.00	1166	.25	50.00		
29 Wheeler								
30 Eastern Oregon	65			3791				
31 Baker	5	.06	7.69	294	.06	7.76		
32 Malheur								
33 Union	50	.61	76.92	2914	.61	76.87		
34 Wallowa	10	.12	15.39	583	.12	15.38		
35 Central Oregon	337			19642				
36 Crook	2	.03	.59	116	.02	.59		
37 Deschutes	35	.43	10.39	2042	.43	10.40		
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath	300	3.68	89.02	17484	3.68	89.01		
42 Lake								
43								
44 Total for State	8152			475109				
45								

ESTIMATED LABOR REQUIREMENTS

FOR ROOTS FOR FEED

Estimated Number of Man-Hours Required Seasonally in 1934
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Roots for Feed

[illegible]

TABLE 313

ESTIMATED LABOR REQUIREMENTS

FOR FIBER FLAX

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Fiber Flax

District & County	Acreage	Percent Total		Est. No. Man- Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	1900			65550			380	3040
2 Benton	40	2.11	2.11	1380	2.11	2.11	8	64
3 Clackamas	600	31.58	31.58	20700	31.58	31.58	120	960
4 Lane	20	1.05	1.05	690	1.05	1.05	4	32
5 Linn	200	10.53	10.53	6900	10.53	10.53	40	320
6 Marion	1000	52.63	52.63	34500	52.63	52.63	200	1600
7 Multnomah								
8 Polk	20	1.05	1.05	690	1.05	1.05	4	32
9 Washington								
10 Yamhill	20	1.05	1.05	690	1.05	1.05	4	32
11 Coast & Lower Col.								
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon								
19 Douglas								
20 Jackson								
21 Josephine								
22 Columbia Basin								
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	1900			65550			380	3040
45								

FOR FIBER FLAX

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Fiber Flax

[illegible]

TABLE 314

ESTIMATED LABOR REQUIREMENTS

FOR ANNUAL LEGUME SEEDS

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Annual Legume Seeds

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	58542			801444				
2 Benton	8025	13.20	13.71	109863	13.00	13.71		
3 Clackamas	6650	10.94	11.36	91040	10.77	11.36		
4 Lane	8227	13.53	14.05	112627	13.32	14.05		
5 Linn	14490	23.84	24.75	198369	23.47	24.75		
6 Marion	3700	6.09	6.32	50653	5.99	6.32		
7 Multnomah	250	.41	.43	3424	.41	.43		
8 Polk	4000	6.58	6.83	54760	6.48	6.83		
9 Washington	4500	7.40	7.69	61605	7.29	7.69		
10 Yamhill	8700	14.31	14.86	119103	14.09	14.86		
11 Coast & Lower Col.	190			2603				
12 Clatsop								
13 Columbia	150	.25	78.95	2055	.24	78.95		
14 Coos								
15 Curry	10	.02	5.26	137	.02	5.26		
16 Lincoln	30	.05	15.79	411	.05	15.79		
17 Tillamook								
18 Southern Oregon	338			4628				
19 Douglas	278	.46	82.25	3807	.45	82.26		
20 Jackson	40	.07	11.83	547	.07	11.82		
21 Josephine	20	.03	5.92	274	.03	5.92		
22 Columbia Basin	965			20567			97	97
23 Gilliam								
24 Hood River								
25 Morrow	5	.01	.52	109	.01	.53	1	1
26 Sherman								
27 Umatilla	960	1.58	99.48	20458	2.42	99.47	96	96
28 Wasco								
29 Wheeler								
30 Eastern Oregon	100			2131			10	10
31 Baker								
32 Malheur								
33 Union	100	100.00	100.00	2131	.25	100.00	10	10
34 Wallowa								
35 Central Oregon	655			13960			66	66
36 Crook	35	.06	5.34	748	.09	5.36	4	4
37 Deschutes	620	1.02	94.66	13212	1.56	94.64	62	62
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	60790			845333			173	173
45								

ESTIMATED LABOR REQUIREMENTS

FOR ANNUAL LEGUME SEEDS

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Annual Legume Seeds

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4683				219534	278076	99522	199629		1
642				30094	38119	13643	27365		2
532				24938	31588	11305	22677		3
658				30851	39078	13986	28054		4
1159				54338	68828	24633	49411		5
296				13875	17575	6290	12617		6
20				938	1188	425	853		7
320				15000	19000	6800	13640		8
360				16875	21375	7650	15345		9
696				32625	41325	14790	29667		10
14				714	904	323	648		11
12				563	713	255	512		12
				38	48	51	34		13
2				113	143	51	102		14
27				1268	1606	575	1152		15
22				1043	1321	473	948		16
3				150	190	68	136		17
2				75	95	34	68		18
1544	686		965	965	10133	5308	386	386	19
8	4		5	5	53	28	2	2	20
1536	682		960	960	10080	5280	384	384	21
160	71		100	100	1050	550	40	40	22
160	71		100	100	1050	550	40	40	23
1048	465		655	655	6878	3603	262	262	24
56	25		35	35	368	193	14	14	25
992	440		620	620	6510	3410	248	248	26
7476	1222		1720	223236	298647	109881	202117	688	27

TABLE 315

ESTIMATED LABOR REQUIREMENTS

FOR PERENNIAL LEGUME SEEDS

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform Major
Operations in the Production of Perennial Legume Seeds

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	16667			291007				
2 Benton	750	2.59	4.50	13095	2.27	4.50		
3 Clackamas	505	1.75	3.03	8818	1.53	3.03		
4 Lane	200	.69	1.20	3492	.61	1.20		
5 Linn	4572	15.80	27.43	79828	13.83	27.43		
6 Marion	900	3.11	5.40	15714	2.72	5.40		
7 Multnomah	200	.69	1.20	3492	.61	1.20		
8 Polk	5000	17.28	30.00	87300	15.13	30.00		
9 Washington	3000	10.37	18.00	52380	9.08	18.00		
10 Yamhill	1540	5.32	9.24	26888	4.66	9.24		
11 Coast & Lower Col.	200			3492				
12 Clatsop								
13 Columbia	200	.69	100.00	3492	.61	100.00		
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon	1086			33939				
19 Douglas	140	.48	12.89	4376	.76	12.89		
20 Jackson	96	.33	8.84	3000	.52	8.84		
21 Josephine	850	2.94	78.27	26563	4.60	78.27		
22 Columbia Basin	150			2619				
23 Gilliam								
24 Hood River								
25 Morrow	50	.17	33.33	873	.15	33.33		
26 Sherman								
27 Umatilla	100	.35	66.67	1746	.30	66.67		
28 Wasco								
29 Wheeler								
30 Eastern Oregon	6650			150957				
31 Baker	400	1.38	6.02	9080	1.57	6.02		
32 Malheur	5000	17.28	75.19	113500	19.67	75.19		
33 Union	1250	4.32	18.80	28377	4.92	18.80		
34 Wallowa								
35 Central Oregon	4191			95138				
36 Crook	1000	3.46	23.86	22700	3.93	23.86		
37 Deschutes	2636	9.11	62.90	59838	10.37	62.90		
38 Grant								
39 Harney	5	.02	.12	113	.02	.02		
40 Jefferson								
41 Klamath	500	1.73	11.93	11350	1.97	11.93		
42 Lake	50	.17	1.19	1137	.20	1.20		
43								
44 Total for State	28944			577152				
45								

ESTIMATED LABOR REQUIREMENTS

FOR PERENNIAL LEGUME SEEDS

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform Major
Operations in the Production of Perennial Legume Seeds

[illegible]

TABLE 316

ESTIMATED LABOR REQUIREMENTS

FOR GRASS SEED

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Grass Seed

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	24998			245982				
2 Benton	990	3.44	3.96	9742	3.05	3.96		
3 Clackamas	200	.69	.80	1968	.62	.80		
4 Lane	2100	7.29	8.40	20664	6.46	8.40		
5 Linn	18618	64.64	74.48	183203	57.26	74.48		
6 Marion	1400	4.86	5.60	13776	4.31	5.60		
7 Multnomah								
8 Polk	1070	3.72	4.28	10529	3.29	4.28		
9 Washington	100	.35	.40	984	.31	.40		
10 Yamhill	520	1.81	2.08	5116	1.60	2.08		
11 Coast & Lower Col.	1535			29778				
12 Clatsop	1000	3.47	65.15	19400	6.06	65.15		
13 Columbia	20	.07	1.30	387	.12	1.30		
14 Coos	500	1.74	32.57	9700	3.03	32.57		
15 Curry								
16 Lincoln								
17 Tillamook	15	.05	.98	291	.09	.98		
18 Southern Oregon	350			3445				
19 Douglas	150	.52	42.86	1477	.46	42.87		
20 Jackson	200	.69	57.14	1968	.62	57.13		
21 Josephine								
22 Columbia Basin	60			543				5
23 Gilliam								
24 Hood River								
25 Morrow	10	.04	16.67	91	.03	16.76		1
26 Sherman								
27 Umatilla	50	.17	83.33	452	.14	79.56		4
28 Wasco								
29 Wheeler								
30 Eastern Oregon	115			1039				9
31 Baker	50	.17	43.48	452	.14	43.50		4
32 Malheur								
33 Union	50	.17	43.48	452	.14	43.50		4
34 Wallowa	15	.05	13.04	135	.04	12.99		1
35 Central Oregon	1745			39160			227	366
36 Crook	15	.05	.86	338	.11	.86	2	3
37 Deschutes								
38 Grant	25	.09	1.43	560	.18	1.43	3	5
39 Harney								
40 Jefferson								
41 Klamath	1700	5.90	97.42	38148	11.92	97.42	221	357
42 Lake	5	.02	.29	114	.04	.29	1	1
43								
44 Total for State	28803			319947			227	380
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Grass Seed

[illegible]

TABLE 317

ESTIMATED LABOR REQUIREMENTS

FOR HOPS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Hops

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	16729			7113172			33458	100374
2 Benton	400	2.25	2.39	170080	2.25	2.39	800	2400
3 Clackamas	700	3.94	4.18	297640	3.94	4.18	1400	4200
4 Lane	1000	5.63	5.98	425200	5.63	5.98	2000	2000
5 Linn	306	1.72	1.83	130112	1.72	1.83	612	1836
6 Marion	8223	46.26	49.15	3496420	46.26	49.15	16446	49338
7 Multnomah								
8 Polk	4000	22.51	23.91	1700800	22.51	23.91	8000	24000
9 Washington	1500	8.44	8.97	637800	8.44	8.97	3000	9000
10 Yamhill	600	3.38	3.59	255120	3.38	3.59	1200	3600
11 Coast & Lower Col.								
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon	1018			432852			2036	6108
19 Douglas	18	.10	1.77	7652	.20	1.77	36	108
20 Jackson	100	.56	9.82	42520	.66	9.82	200	600
21 Josephine	900	5.06	88.41	382680	5.06	88.41	1800	5400
22 Columbia Basin	27			11482			54	162
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla	27	.15	100.00	11482	.25	100.00	54	162
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	17774			7557506			35548	106644
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Hops

[illegible]

TABLE 318

ESTIMATED LABOR REQUIREMENTS

FOR APPLES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Apples

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	8267			866797			26206	58035
2 Benton	1026	4.49	12.41	107577	3.75	12.41	3252	7203
3 Clackamas	1494	6.54	18.07	156647	5.46	18.07	4736	10488
4 Lane	939	4.11	11.36	98455	3.43	11.36	2977	6592
5 Linn	735	3.22	8.89	77066	2.68	8.89	2330	5160
6 Marion	940	4.11	11.37	98559	3.43	11.37	2980	6599
7 Multnomah	431	1.89	5.21	45190	1.57	5.21	1366	3026
8 Polk	1070	4.68	12.94	112189	3.91	12.94	3392	7511
9 Washington	808	3.54	9.77	84718	2.95	9.77	2561	5672
10 Yamhill	824	3.61	9.97	86396	3.01	9.97	2612	5784
11 Coast & Lower Col.	1666			174684			5280	11696
12 Clatsop	161	.70	9.66	16881	.59	9.66	510	1130
13 Columbia	405	1.77	24.31	42467	1.48	24.31	1284	2843
14 Coos	638	2.79	38.30	66894	2.33	38.29	2022	4479
15 Curry	128	.56	7.68	13421	.47	7.68	406	899
16 Lincoln	237	1.04	14.23	24850	.87	14.23	751	1664
17 Tillamook	97	.42	5.82	10171	.35	5.82	307	681
18 Southern Oregon	2859			404723			4003	24730
19 Douglas	1132	4.95	39.59	160248	5.58	39.59	1585	9792
20 Jackson	1519	6.65	53.13	215031	7.49	53.13	2127	13139
21 Josephine	208	.91	7.28	29444	1.03	7.28	291	1799
22 Columbia Basin	7666			1085201			10732	66311
23 Gilliam	9	.04	.12	1275	.04	.12	13	78
24 Hood River	5413	23.68	70.61	766264	26.69	70.61	7578	46822
25 Morrow	21	.09	.27	2973	.10	.27	29	182
26 Sherman	5	.02	.07	708	.03	.07	7	43
27 Umatilla	1718	7.52	22.41	243200	8.47	22.41	2405	14861
28 Wasco	415	1.82	5.41	58748	2.05	5.41	581	3590
29 Wheeler	85	.37	1.11	12033	.42	1.11	119	735
30 Eastern Oregon	1979			280150			2771	17119
31 Baker	232	1.02	11.72	32844	1.14	11.72	325	2007
32 Malheur	584	2.56	29.51	82672	2.88	29.51	816	5052
33 Union	1163	5.09	58.77	164634	5.73	58.77	1628	10060
34 Wallowa								
35 Central Oregon	421			59601			589	3642
36 Crook	11	.05	2.61	1558	.05	2.61	15	95
37 Deschutes	71	.31	16.87	10050	.35	16.86	99	614
38 Grant	162	.71	38.48	22933	.80	38.48	227	1401
39 Harney	27	.12	6.41	3823	.13	6.41	38	234
40 Jefferson	11	.05	2.61	1558	.05	2.61	15	95
41 Klamath	67	.29	15.91	9485	.33	15.91	94	580
42 Lake	72	.32	17.10	10194	.36	17.10	101	623
43								
44 Total for State	22858			2871156			49581	181533
45								

ESTIMATED LABOR REQUIREMENTS

FOR APPLES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Apples

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
70765	64070	40509	66136	49602	20669	182783	224201	63821		1
8783	7952	5027	8208	6156	2565	22685	27825	7921		2
12789	11579	7321	11952	8964	3735	33032	40517	11534		3
8038	7277	4601	7512	5634	2348	20761	25466	7249		4
6292	5696	3602	5880	4410	1838	16251	19933	5674		5
8046	7285	4606	7520	5640	2350	20783	25493	7257		6
3689	3340	2112	3448	2586	1078	9529	11689	3327		7
9159	8293	5243	8560	6420	2675	23658	29018	8260		8
6916	6262	3959	6464	4848	2020	17865	21913	6238		9
7053	6386	4038	6592	4944	2060	18219	22347	6361		10
14261	12913	8163	13328	9996	4167	36836	45182	12862		11
1378	1248	789	1288	966	403	3560	4366	1243		12
3467	3139	1985	3240	2430	1013	8955	10984	3127		13
5461	4945	3126	5104	3828	1595	14106	17303	4925		14
1096	992	627	1024	768	320	2830	3471	988		15
2029	1837	1161	1896	1422	593	5240	6427	1830		16
830	752	475	776	582	243	2145	2631	749		17
32393	23015	14295	45744	34308	7148	70503	71361	73220	4003	18
12826	9113	5660	18112	13584	2830	27915	28255	28991	1585	19
17210	12228	7595	24304	18228	3798	37459	37914	38902	2127	20
2357	1674	1040	3328	2496	520	5129	5192	5327	291	21
86856	61711	38330	122656	91992	19168	189044	191343	196326	10732	22
102	72	45	144	108	23	222	225	230	13	23
61329	43575	27065	86608	64956	13533	133485	135108	138627	7578	24
238	169	105	336	252	53	518	524	538	29	25
57	40	25	80	60	13	123	125	128	7	26
19465	13830	8590	27488	20616	4295	42366	42881	43998	2405	27
4702	3341	2075	6640	4980	1038	10234	10358	10628	581	28
963	684	425	1360	1020	213	2096	2122	2177	119	29
22423	15931	9895	31664	23748	4948	48802	49396	50682	2771	30
2629	1868	1160	3712	2784	580	5721	5791	5942	325	31
6617	4701	2920	9344	7008	1460	14401	14577	14956	818	32
13177	9362	5815	18608	13956	2908	28680	29028	29784	1628	33
										34
4770	3390	2105	6736	5052	1055	10382	10509	10782	589	35
125	89	55	176	132	28	271	275	282	15	36
804	572	355	1136	852	178	1751	1772	1818	99	37
1835	1304	810	2592	1944	405	3995	4044	4149	227	38
306	217	135	432	324	68	666	674	691	38	39
125	89	55	176	132	28	271	275	282	15	40
759	539	335	1072	804	168	1652	1672	1716	94	41
816	580	360	1152	864	180	1776	1797	1844	101	42
										43
231468	181030	113297	286264	214698	57155	538350	591992	407693	18095	44
										45

TABLE 319

ESTIMATED LABOR REQUIREMENTS

FOR PEARS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Pears

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	2867			271229			10037	21072
2 Benton	243	1.41	8.48	22989	1.07	8.48	851	1786
3 Clackamas	261	1.51	9.10	24691	1.15	9.10	914	1918
4 Lane	503	2.91	17.54	47585	2.21	17.54	1761	3697
5 Linn	98	.57	3.42	9272	.43	3.42	343	720
6 Marion	513	2.97	17.89	48532	2.26	17.89	1796	3771
7 Multnomah	118	.68	4.12	11164	.52	4.12	413	867
8 Polk	448	2.59	15.63	42382	1.97	15.63	1568	3293
9 Washington	257	1.49	8.96	24313	1.13	8.96	900	1889
10 Yamhill	426	2.47	14.86	40301	1.87	14.86	1491	3131
11 Coast & Lower Col.	154			14577			541	1133
12 Clatsop	13	.08	8.44	1232	.05	8.45	46	96
13 Columbia	53	.31	34.42	5015	.23	34.40	186	390
14 Coos	50	.29	32.47	4732	.22	32.46	175	368
15 Curry	13	.08	8.44	1232	.06	8.45	46	96
16 Lincoln	18	.10	11.69	1704	.08	11.69	63	132
17 Tillamook	7	.04	4.55	662	.03	4.54	25	51
18 Southern Oregon	11568			1514944			109317	109317
19 Douglas	1134	6.57	9.80	148507	6.90	9.80	10716	10716
20 Jackson	9747	56.44	84.26	1276467	59.32	84.26	92109	92109
21 Josephine	687	3.98	5.94	89970	4.18	5.94	6492	6492
22 Columbia Basin	2557			334871			24164	24164
23 Gilliam	2	.01	.08	263	.01	.08	19	19
24 Hood River	2417	14.00	94.53	316532	14.71	94.52	22841	22841
25 Morrow	2	.01	.08	263	.01	.08	19	19
26 Sherman	1	.01	.04	129	.01	.04	9	9
27 Umatilla	42	.24	1.64	5501	.26	1.64	397	397
28 Wasco	85	.49	3.32	11134	.52	3.33	803	803
29 Wheeler	8	.05	.31	1049	.05	.31	76	76
30 Eastern Oregon	102			13357			963	963
31 Baker	14	.08	13.73	1832	.09	13.72	132	132
32 Malheur	5	.03	4.90	657	.03	4.92	47	47
33 Union	72	.42	70.59	9428	.44	70.59	680	680
34 Wallowa	11	.06	10.78	1440	.07	10.78	104	104
35 Central Oregon	23			3007			216	216
36 Crook	1	.01	4.35	129	.01	4.29	9	9
37 Deschutes	3	.02	13.04	392	.02	13.04	28	28
38 Grant	9	.05	39.13	1179	.06	39.21	85	85
39 Harney	1	.01	4.35	129	.01	4.29	9	9
40 Jefferson	3	.02	13.04	392	.02	13.04	28	28
41 Klamath	2	.01	8.70	263	.01	8.75	19	19
42 Lake	4	.02	17.39	523	.02	17.39	38	38
43								
44 Total for State	17271			2151985			145238	156865
45								

ESTIMATED LABOR REQUIREMENTS

FOR PEARS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Pears

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
22019	19354	10323	25803	11468	67377	65082	11468	3641	3585	1
1866	1640	875	2187	972	5711	5516	972	309	304	2
2004	1762	940	2349	1044	6134	5925	1044	331	326	3
3863	3395	1811	4527	2012	11821	11418	2012	639	629	4
753	662	353	882	392	2303	2225	392	124	123	5
3940	3463	1847	4617	2052	12056	11645	2052	652	641	6
906	797	425	1062	472	2773	2679	472	150	148	7
3441	3024	1613	4032	1792	10528	10170	1792	569	560	8
1974	1735	925	2313	1028	6040	5834	1028	326	321	9
3272	2876	1534	3834	1704	10011	9670	1704	541	533	10
1183	1041	555	1386	616	3621	3496	616	197	192	11
100	88	47	117	52	306	295	52	17	16	12
407	358	191	477	212	1246	1203	212	67	66	13
384	338	180	450	200	1175	1135	200	64	63	14
100	88	47	117	52	306	295	52	17	16	15
138	122	65	162	72	423	409	72	23	23	16
54	47	25	63	28	165	159	28	9	8	17
49742	31234	148764	209381	72878	255653	348197	56683	14461	109317	18
4876	3062	14583	20525	7144	25061	34133	5557	1418	10716	19
41912	26317	125346	176421	61406	215409	293385	47760	12184	92109	20
2954	1855	8835	12435	4328	15183	20679	3366	859	6492	21
10996	6904	32884	46282	16110	56510	76966	12530	3197	24164	22
9	5	26	36	13	44	60	10	3	19	23
10393	6526	31083	43748	15227	53416	72752	11843	3021	22841	24
9	5	26	36	13	44	60	10	3	19	25
4	3	13	18	6	22	30	5	1	9	26
181	113	540	760	265	928	1264	206	53	397	27
366	230	1093	1539	536	1879	2559	417	106	803	28
34	22	103	145	50	177	241	39	10	76	29
439	276	1311	1846	643	2254	3070	501	128	963	30
60	38	180	253	88	309	421	69	18	132	31
22	14	64	91	32	111	151	25	6	47	32
310	194	926	1303	454	1591	2167	353	90	680	33
47	30	141	199	69	243	331	54	14	104	34
99	62	297	415	145	507	691	114	29	216	35
4	3	13	18	6	22	30	5	1	9	36
13	8	39	54	19	66	90	15	4	28	37
39	24	116	163	57	199	271	44	11	85	38
4	3	13	18	6	22	30	5	1	9	39
13	8	39	54	19	66	90	15	4	28	40
9	5	26	36	13	44	60	10	3	19	41
17	11	51	72	25	88	120	20	5	38	42
84478	58871	194134	285113	101860	385922	497502	81912	21653	138437	43
										44
										45

TABLE 320

ESTIMATED LABOR REQUIREMENTS

FOR PRUNES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Prunes

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	34662			3265504			187521	319583
2 Benton	949	2.01	2.74	85404	1.89	2.74	5134	8750
3 Clackamas	1555	3.38	4.60	150267	3.18	4.60	8629	14706
4 Lane	1946	4.12	5.61	183333	3.88	5.61	10528	17942
5 Linn	1474	3.12	4.25	138866	2.94	4.25	7974	13590
6 Marion	8009	16.97	23.11	754527	15.97	23.11	43329	73843
7 Multnomah	93	.20	.27	8762	.19	.27	503	857
8 Polk	9887	20.95	28.52	531454	19.71	28.52	53489	91158
9 Washington	2323	4.92	6.70	218849	4.63	6.70	12567	21418
10 Yamhill	8386	17.77	24.19	790042	16.72	24.19	45368	77319
11 Coast & Lower Col.	164			30947				541
12 Clatsop	14	.03	8.54	2642	.06	8.54		46
13 Columbia	51	.11	31.10	9623	.20	31.10		168
14 Coos	53	.11	32.32	10001	.21	32.32		175
15 Curry	17	.04	10.37	3208	.07	10.37		56
16 Lincoln	19	.04	11.59	3586	.08	11.59		63
17 Tillamook	10	.02	6.10	1887	.04	6.10		33
18 Southern Oregon	9480			893112			51287	87406
19 Douglas	9412	19.94	99.28	886705	18.77	99.28	50919	86779
20 Jackson	53	.11	.56	4994	.11	.56	287	489
21 Josephine	15	.03	.16	1413	.03	.16	81	138
22 Columbia Basin	2382			448295				3692
23 Gilliam	2	.004	.08	376	.01	.08		3
24 Hood River	6	.01	.25	1129	.02	.25		9
25 Morrow	4	.01	.17	753	.02	.17		6
26 Sherman	1	.002	.04	190	.004	.04		2
27 Umatilla	2202	4.67	92.44	414416	8.77	92.44		3413
28 Wasco	161	.34	6.76	30302	.64	6.76		250
29 Wheeler	6	.01	.25	1129	.02	.25		9
30 Eastern Oregon	481			82469				1649
31 Baker	15	.04	3.95	3069	.07	3.72		67
32 Malheur	176	.37	36.59	33211	.70	40.27		581
33 Union	272	.58	56.55	43928	.93	53.27		952
34 Wallowa	14	.03	2.91	2261	.05	2.74		49
35 Central Oregon	28			4524				100
36 Crook	2	.004	7.14	323	.01	7.14		7
37 Deschutes	3	.01	10.71	485	.01	10.72		11
38 Grant	16	.03	57.14	2584	.06	57.12		56
39 Harney	1	.002	3.57	162	.003	3.58		4
40 Jefferson	1	.002	3.57	162	.003	3.58		4
41 Klamath	3	.01	10.71	485	.01	10.72		11
42 Lake	2	.004	7.14	323	.01	7.14		7
43								
44 Total for State	47197			4724851			238808	412971
45								

ESTIMATED LABOR REQUIREMENTS

FOR PRUNES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Prunes

[illegible]

TABLE 321

ESTIMATED LABOR REQUIREMENTS

FOR CHERRIES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Cherries

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	5262			1298665				22101
2 Benton	162	1.95	3.08	39982	1.55	3.08		680
3 Clackamas	262	3.16	4.98	64662	2.51	4.98		1100
4 Lane	795	9.59	15.11	196207	7.61	15.11		3339
5 Linn	188	2.27	3.57	46398	1.80	3.57		790
6 Marion	1388	16.74	26.38	342558	13.29	26.38		5830
7 Multnomah	159	1.92	3.02	39242	1.52	3.02		668
8 Polk	1385	16.70	26.32	341819	13.26	26.32		5817
9 Washington	284	3.43	5.40	70091	2.72	5.40		1193
10 Yamhill	639	7.71	12.14	157706	6.12	12.14		2684
11 Coast & Lower Col.	115			28382				482
12 Clatsop	6	.07	5.22	1480	.06	5.22		65
13 Columbia	61	.74	53.04	15055	.58	53.04		256
14 Coos	31	.37	26.96	7651	.30	26.96		130
15 Curry	8	.10	6.96	1974	.08	6.96		34
16 Lincoln	7	.08	6.09	1728	.07	6.09		29
17 Tillamook	2	.02	1.74	494	.02	1.74		8
18 Southern Oregon	319			136829				
19 Douglas	160	1.93	50.16	68629	2.66	50.16		
20 Jackson	110	1.33	34.48	47182	1.83	34.48		
21 Josephine	49	.59	15.36	21018	.82	15.36		
22 Columbia Basin	2169			930349				
23 Gilliam	1	.01	.05	429	.02	.05		
24 Hood River	342	4.12	15.77	146694	5.69	15.77		
25 Morrow	3	.04	.14	1287	.05	.14		
26 Sherman	28	.34	1.29	12010	.47	1.29		
27 Umatilla	455	5.49	20.98	195163	7.57	20.98		
28 Wasco	1337	16.13	61.64	573479	22.25	61.64		
29 Wheeler	3	.04	.14	1287	.05	.14		
30 Eastern Oregon	413			177148				
31 Baker	26	.31	6.30	11152	.43	6.30		
32 Malheur	7	.08	1.70	3003	.12	1.70		
33 Union	366	4.41	88.62	156988	6.09	88.62		
34 Wallowa	14	.17	3.39	6005	.23	3.40		
35 Central Oregon	14			6006				
36 Crook	1	.01	7.14	429	.02	7.14		
37 Deschutes	3	.04	21.43	1287	.05	21.43		
38 Grant	6	.07	42.86	2574	.10	42.86		
39 Harney	1	.01	7.14	429	.02	7.14		
40 Jefferson								
41 Klamath	1	.01	7.14	429	.02	7.14		
42 Lake	2	.02	14.29	858	.03	14.29		
43								
44 Total for State	8292			2577379				22583
45								

ESTIMATED LABOR REQUIREMENTS

FOR CHERRIES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Cherries

[illegible]

TABLE 322

ESTIMATED LABOR REQUIREMENTS

FOR PEACHES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Peaches

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	1696			145326				15264
2 Benton	89	3.07	5.25	7627	3.05	5.25		801
3 Clackamas	149	5.14	8.79	12768	5.11	8.79		1341
4 Lane	151	5.21	8.90	12938	5.17	8.90		1359
5 Linn	125	4.31	7.37	10712	4.28	7.37		1125
6 Marion	270	9.31	15.92	23133	9.25	15.92		2430
7 Multnomah	95	3.28	5.60	8141	3.26	5.60		855
8 Polk	95	3.28	5.60	8141	3.26	5.60		855
9 Washington	256	8.83	15.09	21934	8.77	15.09		2304
10 Yamhill	466	16.06	27.48	39926	15.97	27.48		4194
11 Coast & Lower Col.	22			1887				198
12 Clatsop								
13 Columbia	4	.14	18.18	342	.14	18.12		36
14 Coos	13	.45	59.09	1115	.45	59.09		117
15 Curry	3	.10	13.64	258	.10	13.67		27
16 Lincoln	2	.07	9.09	172	.07	9.12		18
17 Tillamook								
18 Southern Oregon	662			56721				5958
19 Douglas	233	8.03	35.20	19964	7.98	35.20		2097
20 Jackson	314	10.82	47.43	26903	10.76	47.43		2826
21 Josephine	115	3.96	17.37	9854	3.94	17.37		1035
22 Columbia Basin	320			28326				2402
23 Gilliam	4	.14	1.25	354	.14	1.25		30
24 Hood River	24	.83	7.50	2124	.85	7.50		180
25 Morrow	2	.07	.63	177	.07	.63		15
26 Sherman	17	.59	5.31	1506	.60	5.32		128
27 Umatilla	75	2.59	23.44	6639	2.66	23.44		563
28 Wasco	195	6.72	60.94	17259	6.90	60.93		1463
29 Wheeler	3	.10	.94	267	.11	.94		23
30 Eastern Oregon	186			16464				1396
31 Baker	118	4.07	63.44	10443	4.18	63.43		885
32 Malheur	53	1.83	28.50	4692	1.88	28.50		398
33 Union	12	.41	6.45	1062	.43	6.45		90
34 Wallowa	3	.10	1.61	267	.11	1.62		23
35 Central Oregon	15			1329				113
36 Crook								
37 Deschutes								
38 Grant	4	.14	26.67	354	.14	26.64		30
39 Harney								
40 Jefferson	10	.35	66.67	885	.35	66.59		75
41 Klamath								
42 Lake	1	.03	7.67	90	.04	6.77		8
43								
44 Total for State	2901			250047				25331
45								

ESTIMATED LABOR REQUIREMENTS

FOR PEACHES

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Peaches

[illegible]

TABLE 323

ESTIMATED LABOR REQUIREMENTS

FOR STRAWBERRIES

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Strawberries

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	9261			6502799				
2 Benton	176	1.66	1.90	123581	1.66	1.90		
3 Clackamas	1483	13.95	16.01	1041319	13.95	16.01		
4 Lane	442	4.16	4.77	310359	4.16	4.77		
5 Linn	1237	11.63	13.36	868585	11.63	13.36		
6 Marion	2685	25.25	28.99	1885326	25.25	28.99		
7 Multnomah	530	4.98	5.72	372151	4.98	5.72		
8 Polk	335	3.15	3.62	235227	3.15	3.62		
9 Washington	2008	18.89	21.68	1409959	18.89	21.68		
10 Yamhill	365	3.43	3.94	256292	3.43	3.94		
11 Coast & Lower Col.	386			271040				
12 Clatsop	14	.13	3.63	9830	.13	3.63		
13 Columbia	196	1.84	50.78	137626	1.84	50.78		
14 Coos	102	.96	26.43	71622	.96	26.43		
15 Curry	16	.15	4.15	11234	.15	4.15		
16 Lincoln	29	.27	7.51	20364	.27	7.51		
17 Tillamook	29	.27	7.51	20364	.27	7.51		
18 Southern Oregon	345			242219				
19 Douglas	209	1.97	60.58	146755	1.97	60.58		
20 Jackson	48	.45	13.91	33703	.45	13.91		
21 Josephine	88	.83	25.51	61791	.83	25.51		
22 Columbia Basin	535			375662				
23 Gilliam								
24 Hood River	404	3.80	75.51	283676	3.80	75.51		
25 Morrow	9	.09	1.68	6321	.09	1.68		
26 Sherman								
27 Umatilla	99	.93	18.51	69515	.93	18.51		
28 Wasco	21	.20	3.93	14745	.20	3.93		
29 Wheeler	2	.02	.37	1405	.02	.37		
30 Eastern Oregon	46			32301				
31 Baker	9	.09	19.57	6321	.09	19.57		
32 Malheur	12	.11	26.09	8426	.11	26.09		
33 Union	19	.18	41.30	13342	.18	41.31		
34 Wallowa	6	.06	13.04	4212	.06	13.04		
35 Central Oregon	60			42126				
36 Crook	4	.04	6.67	2808	.04	6.67		
37 Deschutes	32	.30	53.33	22469	.30	53.34		
38 Grant	5	.05	8.33	3510	.05	8.33		
39 Harney	5	.05	8.33	3510	.05	8.33		
40 Jefferson								
41 Klamath	13	.12	21.67	9127	.12	21.67		
42 Lake	1	.01	1.67	702	.01	1.67		
43								
44 Total for State	10633			7466177				
45								

ESTIMATED LABOR REQUIREMENTS

FOR STRAWBERRIES

Estimated Number of Man-Hours Required Seasonally in 1934
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Strawberries

[illegible]

TABLE 324

ESTIMATED LABOR REQUIREMENTS

FOR RASPBERRIES

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Raspberries

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	4170			6680342			58380	79230
2 Benton	30	.68	.72	48060	.68	.72	420	570
3 Clackamas	500	11.33	11.99	801000	11.33	11.99	7000	9500
4 Lane	40	.91	.96	64080	.91	.96	560	760
5 Linn	300	6.80	7.19	480600	6.80	7.19	4200	5700
6 Marion	350	7.93	8.39	560700	7.93	8.39	4900	6650
7 Multnomah	1500	33.98	35.97	2403000	33.98	35.97	21000	28500
8 Polk	75	1.70	1.80	120151	1.70	1.80	1050	1425
9 Washington	375	8.49	8.99	600751	8.49	8.99	5250	7125
10 Yamhill	1000	22.65	23.98	1602000	22.65	23.98	14000	19000
11 Coast & Lower Col.	55			88111			770	1045
12 Clatsop	10	.23	18.18	16020	.23	18.18	140	190
13 Columbia	25	.57	45.46	40051	.57	45.46	350	475
14 Coos	10	.23	18.18	16020	.23	18.18	140	190
15 Curry								
16 Lincoln								
17 Tillamook	10	.23	18.18	16020	.23	18.18	140	190
18 Southern Oregon	40			64080			560	760
19 Douglas	10	.23	25.00	16020	.23	25.00	140	190
20 Jackson	30	.68	.75	48060	.68	.75	420	570
21 Josephine								
22 Columbia Basin	45			72091			630	855
23 Gilliam								
24 Hood River	10	.23	22.22	16020	.23	22.22	140	190
25 Morrow								
26 Sherman								
27 Umatilla	30	.68	66.67	48060	.68	66.67	420	570
28 Wasco	5	.11	11.11	8011	.11	11.11	70	95
29 Wheeler								
30 Eastern Oregon	60			96122			840	1140
31 Baker	15	.34	25.00	24031	.34	25.00	210	285
32 Malheur	10	.23	16.67	16020	.23	16.67	140	190
33 Union	25	.57	41.67	40051	.57	41.67	350	475
34 Wallowa	10	.23	16.67	16020	.23	16.67	140	190
35 Central Oregon	45			72093			630	855
36 Crook								
37 Deschutes	5	.11	11.11	8011	.11	11.11	70	95
38 Grant	5	.11	11.11	8011	.11	11.11	70	95
39 Harney								
40 Jefferson								
41 Klamath	35	.79	77.78	56071	.79	77.78	490	665
42 Lake								
43								
44 Total for State	4415			7072839			61810	83885
45								

ESTIMATED LABOR REQUIREMENTS

FOR RASPBERRIES

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Raspberries

[illegible]

TABLE 325

ESTIMATED LABOR REQUIREMENTS

FOR BLACKBERRIES

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Blackberries

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	935			459085			3740	24310
2 Benton	10	.84	1.07	4910	.84	1.07	40	260
3 Clackamas	75	6.31	8.02	36825	6.31	8.02	300	1950
4 Lane	15	1.26	1.60	7365	1.26	1.60	60	390
5 Linn	75	6.31	8.02	36825	6.31	8.02	300	1950
6 Marion	400	33.64	42.78	196400	33.64	42.78	1600	10400
7 Multnomah	150	12.62	16.04	73650	12.62	16.04	600	3900
8 Polk	60	5.05	6.42	29460	5.05	6.42	240	1560
9 Washington	50	4.21	5.35	24550	4.21	5.35	200	1300
10 Yamhill	100	8.41	10.70	49100	8.41	10.70	400	2600
11 Coast & Lower Col.	164			80524			656	4264
12 Clatsop	150	12.62	91.46	73650	12.62	91.46	600	3900
13 Columbia								
14 Coos	4	.34	2.44	1964	.34	2.44	16	104
15 Curry								
16 Lincoln	5	.42	3.05	2455	.42	3.05	20	130
17 Tillamook	5	.42	3.05	2455	.42	3.05	20	130
18 Southern Oregon	50			24550			200	1300
19 Douglas	20	1.68	40.00	9820	1.68	40.00	80	520
20 Jackson	30	2.52	60.00	14730	2.52	60.00	120	780
21 Josephine								
22 Columbia Basin	31			15221			124	806
23 Gilliam								
24 Hood River	10	.84	32.26	4910	.84	32.26	40	260
25 Morrow								
26 Sherman								
27 Umatilla	20	1.68	64.52	9820	1.68	64.52	80	520
28 Wasco	1	.08	3.23	491	.08	3.23	4	26
29 Wheeler								
30 Eastern Oregon	9			4419			36	234
31 Baker	2	.17	22.22	982	.17	22.22	8	52
32 Malheur	2	.17	22.22	982	.17	22.22	8	52
33 Union	5	.42	55.56	2455	.42	55.56	20	130
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	1189			583799			4756	30914
45								

ESTIMATED LABOR REQUIREMENTS

FOR BLACKBERRIES

Estimated Number of Man-Hours Required Seasonally in 1934, by Counties, Districts, and for the State, to Perform Major Operations in the Production of Blackberries

[illegible]

TABLE 326

ESTIMATED LABOR REQUIREMENTS

FOR LOGANBERRIES

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Loganberries

District & County	Acreage	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
		Total	Dist.		Total	Dist.		
1 Willamette Valley	1920			2208000			7680	130560
2 Benton	40	2.08	2.08	46000	2.08	2.08	160	2720
3 Clackamas	300	15.63	15.63	345000	15.63	15.63	1200	20400
4 Lane	30	1.56	1.56	34500	1.56	1.56	120	2040
5 Linn	20	1.04	1.04	23000	1.04	1.04	80	1360
6 Marion	1100	57.29	57.29	1265000	57.29	57.29	4400	74800
7 Multnomah	150	7.81	7.81	172500	7.79	7.79	600	10200
8 Polk	100	5.21	5.21	115000	5.21	5.21	400	6800
9 Washington	100	5.21	5.21	115000	5.21	5.21	400	6800
10 Yamhill	80	4.17	4.17	92000	4.17	4.17	320	5440
11 Coast & Lower Col.								
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon								
19 Douglas								
20 Jackson								
21 Josephine								
22 Columbia Basin								
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	1920			2208000			7680	130560
45								

FOR LOGANBERRIES

[illegible]

TABLE 327

ESTIMATED LABOR REQUIREMENTS

FOR FILBERTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Filberts

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	5230			283157			3452	10460
2 Benton	130	2.49	2.49	7039	2.49	2.49	86	260
3 Clackamas	750	14.34	14.34	40606	14.34	14.34	495	1500
4 Lane	500	9.56	9.56	27070	9.56	9.56	330	1000
5 Linn	500	9.56	9.56	27070	9.56	9.56	330	1000
6 Marion	1500	28.68	28.68	81210	28.68	28.68	990	3000
7 Multnomah	150	2.87	2.87	8122	2.87	2.87	99	300
8 Polk	150	2.87	2.87	8122	2.87	2.87	99	300
9 Washington	900	17.21	17.21	48726	17.21	17.21	594	1800
10 Yamhill	650	12.43	12.43	35192	12.43	12.43	429	1300
11 Coast & Lower Col.								
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon								
19 Douglas								
20 Jackson								
21 Josephine								
22 Columbia Basin								
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	5230			283157			3452	10460
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Filberts

13075	1046	26150	15690	4134	209150	43
						44
						45

TABLE 328

ESTIMATED LABOR REQUIREMENTS

FOR WALNUTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Walnuts

District & County	Acreage	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	14425			762220			9521	33178
2 Benton	200	1.39	1.39	10568	1.39	1.39	132	460
3 Clackamas	1000	6.93	6.93	52840	6.93	6.93	660	2300
4 Lane	650	4.51	4.51	34347	4.51	4.51	429	1495
5 Linn	700	4.85	4.85	36988	4.85	4.85	462	1610
6 Marion	3000	20.80	20.80	158520	20.80	20.80	1980	6900
7 Multnomah	75	.52	.52	3965	.52	.52	50	173
8 Polk	800	5.55	5.55	42272	5.55	5.55	528	1840
9 Washington	3000	20.80	20.80	158520	20.80	20.80	1980	6900
10 Yamhill	5000	34.66	34.66	264200	34.66	34.66	3300	11500
11 Coast & Lower Col.								
12 Clatsop								
13 Columbia								
14 Coos								
15 Curry								
16 Lincoln								
17 Tillamook								
18 Southern Oregon								
19 Douglas								
20 Jackson								
21 Josephine								
22 Columbia Basin								
23 Gilliam								
24 Hood River								
25 Morrow								
26 Sherman								
27 Umatilla								
28 Wasco								
29 Wheeler								
30 Eastern Oregon								
31 Baker								
32 Malheur								
33 Union								
34 Wallowa								
35 Central Oregon								
36 Crook								
37 Deschutes								
38 Grant								
39 Harney								
40 Jefferson								
41 Klamath								
42 Lake								
43								
44 Total for State	14425			762220			9521	33178
45								

FOR WALNUTS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Walnuts

[illegible]

TABLE 329

ESTIMATED LABOR REQUIREMENTS

FOR BEEF CATTLE

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Beef Cattle

District & County	Number on	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
	Hand Jan. 1, 1935	Total State	Dist.		Total State	Dist.		
1 Willamette Valley	26012			598282			54626	54626
2 Benton	3466	.69	13.33	79719	.69	13.33	7279	7279
3 Clackamas	1225	.25	4.71	28180	.25	4.71	2573	2573
4 Lane	7800	1.54	29.99	179400	1.54	29.99	16380	16380
5 Linn	4596	.91	17.67	105709	.91	17.67	9652	9652
6 Marion	2960	.59	11.38	68080	.59	11.38	6216	6216
7 Multnomah	502	.10	1.93	11545	.10	1.93	1054	1054
8 Polk	1392	.28	5.35	32015	.28	5.35	2923	2923
9 Washington	1232	.24	4.74	28335	.24	4.74	2587	2587
10 Yamhill	2839	.56	10.91	65299	.56	10.91	5962	5962
11 Coast & Lower Col.	10221			235095			21465	21465
12 Clatsop	755	.15	7.39	17370	.15	7.39	1586	1586
13 Columbia	1319	.26	12.90	30339	.26	12.90	2770	2770
14 Coos	5258	1.04	51.45	120935	1.04	51.45	11042	11042
15 Curry	1564	.31	15.30	35971	.31	15.30	3284	3284
16 Lincoln	1325	.26	12.96	30480	.26	12.96	2783	2783
17 Tillamook								
18 Southern Oregon	34828			801041			73138	73138
19 Douglas	5192	1.03	14.91	119415	1.03	14.91	10903	10903
20 Jackson	25372	5.02	72.85	583555	5.02	72.85	53281	53281
21 Josephine	4264	.84	12.24	98071	.84	12.24	8954	8954
22 Columbia Basin	52046			1197067			109297	109297
23 Gilliam	7668	1.52	14.73	176365	1.52	14.73	16103	16103
24 Hood River	153	.03	.29	3520	.03	.29	321	321
25 Morrow	7938	1.57	15.25	182575	1.57	15.25	16670	16670
26 Sherman	3811	.75	7.32	87654	.75	7.32	8003	8003
27 Umatilla	13459	2.66	25.86	309559	2.66	25.86	28264	28264
28 Wasco	10099	2.00	19.40	232279	2.00	19.40	21208	21208
29 Wheeler	8918	1.76	17.14	205115	1.76	17.14	18728	18728
30 Eastern Oregon	146556			3370793			307768	307768
31 Baker	43359	8.69	30.00	1011059	8.69	30.00	92314	92314
32 Malheur	58473	11.57	39.90	1344880	11.57	39.90	122793	122793
33 Union	15238	3.01	10.40	350475	3.01	10.40	32000	32000
34 Wallowa	28886	5.71	19.71	664379	5.71	19.71	60661	60661
35 Central Oregon	235932			5426439			495456	495456
36 Crook	25404	5.04	10.79	585671	5.04	10.79	53474	53474
37 Deschutes	1960	.39	.83	45080	.39	.83	4116	4116
38 Grant	39141	7.74	16.59	900244	7.74	16.59	82196	82196
39 Harney	70173	13.87	29.74	1613980	13.87	29.74	147363	147363
40 Jefferson	8442	1.67	3.58	194165	1.67	3.58	17728	17728
41 Klamath	44663	8.83	18.93	1027250	8.83	18.93	93792	93792
42 Lake	46089	9.12	19.54	1060049	9.12	19.54	96787	96787
43								
44 Total for State	505595			11628717			1061750	1061750
45								

ESTIMATED LABOR REQUIREMENTS

FOR BEEF CATTLE

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Beef Cattle

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
65031	57225	39019	28614	28614	28614	39019	75435	75435	52024	1
8665	7625	5199	3813	3813	3813	5199	10051	10051	6932	2
3063	2695	1838	1348	1348	1348	1838	3553	3553	2450	3
19500	17160	11700	8580	8580	8580	11700	22620	22620	15600	4
11490	10111	6894	5056	5056	5056	6894	13328	13328	9192	5
7400	6512	4440	3256	3256	3256	4440	8584	8584	5920	6
1255	1104	753	552	552	552	753	1456	1456	1004	7
3480	3062	2088	1531	1531	1531	2088	4037	4037	2784	8
3080	2710	1848	1355	1355	1355	1848	3573	3573	2464	9
7098	6246	4259	3123	3123	3123	4359	8233	8233	5678	10
25554	22487	15333	11244	11244	11244	15333	29642	29642	20142	11
1888	1661	1133	831	831	831	1133	2190	2190	1510	12
3298	2902	1979	1451	1451	1451	1979	3825	3825	2638	13
13145	11568	7887	5784	5784	5784	7887	15248	15248	10516	14
3910	3441	2346	1720	1720	1720	2346	4536	4536	3128	15
3313	2915	1988	1458	1458	1458	1988	3843	3843	2650	16
87070	76621	52242	38310	38310	38310	52242	101002	101002	69656	17
12980	11422	7788	5711	5711	5711	7788	15057	15057	10384	18
63430	55818	38058	27909	27909	27909	38058	73579	73579	50744	19
10660	9381	6396	4690	4690	4690	6396	12366	12366	8528	20
130117	114503	78071	57251	57251	57251	78071	150933	150933	104092	21
19170	16870	11502	8435	8435	8435	11502	22237	22237	15336	22
383	337	230	168	168	168	230	444	444	306	23
19845	17464	11907	8732	8732	8732	11907	23020	23020	15876	24
9528	8384	5717	4192	4192	4192	5717	11052	11052	7622	25
33648	29610	20189	14805	14805	14805	20189	39031	39031	26918	26
25248	22218	15149	11109	11109	11109	15149	29287	29287	20198	27
22295	19620	13377	9810	9810	9810	13377	25862	25862	17836	28
366391	322424	219835	161212	161212	161212	219835	425012	425012	293112	29
109898	96710	65939	48355	48355	48355	65939	127481	127481	87918	30
146183	128641	87710	64320	64320	64320	87710	169572	169572	116946	31
38095	33524	22857	16762	16762	16762	22857	44190	44190	30476	32
72215	63549	43329	31775	31775	31775	43329	83769	83769	57772	33
589832	519051	353900	259524	259524	259524	353900	684204	684204	471864	34
63660	56021	38196	28010	28010	28010	38196	73846	73846	50928	35
4900	4312	2940	2156	2156	2156	2940	5684	5684	3920	36
97853	86110	58712	43055	43055	43055	58712	113509	113509	78282	37
175433	154381	105260	77190	77190	77190	105260	203502	203502	140346	38
21105	18572	12663	9286	9286	9286	12663	24482	24482	16884	39
111658	98259	66995	49129	49129	49129	66995	129523	129523	89326	40
115223	101396	69134	50698	50698	50698	69134	133658	133658	92178	41
1263995	1112311	758400	556155	556155	556155	758400	1466228	1466228	1011190	42
										43
										44
										45

TABLE 330

ESTIMATED LABOR REQUIREMENTS

FOR DAIRY CATTLE

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Dairy Cattle

District & County	Number on	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
	Hand Jan. 1, 1935	Total State	Dist.		Total State	Dist.		
1 Willamette Valley	171313			2111131			2107151	2107151
2 Benton	10399	6.07	2.48	1299876	6.07	2.48	127908	127908
3 Clackamas	23278	13.59	5.55	2909751	13.58	5.55	286319	286319
4 Lane	23399	13.66	5.58	2924876	13.66	5.58	287808	287808
5 Linn	26046	15.20	6.21	3255750	15.20	6.21	320366	320366
6 Marion	26636	15.55	6.35	3329500	15.55	6.35	327623	327623
7 Multnomah	9530	5.56	2.27	1191250	5.56	2.27	117219	117219
8 Polk	12530	7.31	2.99	1566250	7.31	2.99	154119	154119
9 Washington	23410	13.67	5.58	2926250	13.67	5.58	287943	287943
10 Yamhill	16085	9.39	3.83	2010628	9.39	3.83	197846	197846
11 Coast & Lower Col.	67358			8419754			828505	828505
12 Clatsop	6693	9.94	1.60	836626	9.94	1.60	82324	82324
13 Columbia	11872	17.63	2.83	1484000	17.63	2.83	146026	146026
14 Coos	21032	31.22	5.01	2628999	31.22	5.01	258694	258694
15 Curry	6255	9.29	1.49	781879	9.29	1.49	76937	76937
16 Lincoln	7506	11.14	1.79	938250	11.14	1.80	92324	92324
17 Tillamook	14000	20.78	3.34	1750000	20.78	3.34	172200	172200
18 Southern Oregon	32845			4105630			403994	403994
19 Douglas	15575	47.42	3.71	1946879	47.42	3.71	191573	191573
20 Jackson	10874	33.11	2.59	1359250	33.11	2.59	133750	133750
21 Josephine	6396	19.47	1.53	799501	19.47	1.53	78671	78671
22 Columbia Basin	42232			5279007			519455	519455
23 Gilliam	1353	3.20	.32	169126	3.20	.32	16642	16642
24 Hood River	2899	6.86	.69	362376	6.86	.69	35658	35658
25 Morrow	4275	10.12	1.02	534379	10.12	1.02	52583	52583
26 Sherman	3811	9.02	.91	476375	9.02	.91	46875	46875
27 Umatilla	20189	47.81	4.81	2523626	47.81	4.81	248325	248325
28 Wasco	6732	15.94	1.61	841499	15.94	1.61	82804	82804
29 Wheeler	2973	7.04	.71	371626	7.04	.71	36568	36568
30 Eastern Oregon	65906			8238253			810643	810643
31 Baker	23670	35.92	5.64	2958751	35.92	5.64	291141	291141
32 Malheur	14618	22.18	3.48	1827251	22.18	3.48	179801	179801
33 Union	15238	23.12	3.63	1904751	23.12	3.63	187427	187427
34 Wallowa	12380	18.78	2.95	1547500	18.78	2.95	152274	152274
35 Central Oregon	39889			4986129			490635	490635
36 Crook	6366	15.96	1.52	795751	15.96	1.52	78302	78302
37 Deschutes	7841	19.66	1.87	980125	19.66	1.87	96444	96444
38 Grant	6907	17.32	1.65	863375	17.32	1.65	84956	84956
39 Harney	3693	9.26	.88	461626	9.26	.88	45424	45424
40 Jefferson	1490	3.74	.36	186251	3.74	.36	18327	18327
41 Klamath	11166	27.99	2.66	1395751	27.99	2.66	137342	137342
42 Lake	2426	6.08	.58	303250	6.08	.58	29840	29840
43								
44 Total for State	419543			52442904			5160383	5160383
45								

ESTIMATED LABOR REQUIREMENTS

FOR DAIRY CATTLE

Estimated Number of Man-Hours Required Seasonally in 1934,
by Counties, Districts, and for the State, to Perform
Major Operations in the Production of Dairy Cattle

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
2004362	1970101	1833049	1387637	865132	1029590	1387637	2233920	2261332	2227069	1
121668	119589	111269	84232	52515	62498	84232	135603	137267	135187	2
272353	267697	249075	188552	117554	139901	188552	303545	307270	302614	3
273768	269089	250369	189532	118165	140628	189532	305123	308867	304187	4
304738	299529	278692	210973	131532	156536	210973	339640	343807	338598	5
311641	306314	285005	215752	134512	160082	215752	347333	351595	346268	6
111501	109595	101971	77193	48127	57275	77193	124271	125796	123890	7
146601	144095	134071	101493	63277	75305	101493	163391	165396	162890	8
273897	269215	250487	189621	118221	140694	189621	305266	309012	304330	9
188195	184978	172110	130289	81229	96671	130289	209748	212322	209105	10
788088	774618	720730	545600	340159	404822	545600	878348	889125	875654	11
78308	76970	71615	54213	33800	40225	54213	87277	88348	87009	12
138902	136528	127030	96163	59954	71351	96163	154811	156710	154336	13
246074	241868	225042	170359	106212	126402	170359	274257	277622	273416	14
73184	71933	66929	50666	31588	37593	50666	81565	82566	81315	15
87820	86319	80314	60799	37905	45111	60799	97878	99079	97578	16
163800	161000	149800	113400	70700	84140	113400	182560	184800	182000	17
334287	377718	351442	266045	165868	197399	266045	428299	433554	426985	18
182228	179113	166653	126158	78654	93606	126158	203098	205590	202475	19
127226	125051	116352	88079	54914	65353	88079	141797	143537	141362	20
74833	73554	68437	51808	32300	38440	51808	83404	84427	83148	21
494114	485671	451882	342079	213273	253815	342079	550705	557463	549016	22
15830	15560	14477	10959	6833	8132	10959	17643	17860	17589	23
33918	33339	31019	23482	14640	17423	23482	37803	38267	37687	24
50018	49163	45743	34628	21589	25693	34628	55746	56430	55575	25
44589	43827	40778	30869	19246	22904	30869	49695	50305	49543	26
236211	232174	216022	163531	101954	121336	163531	263265	266495	262457	27
78764	77418	72032	54529	33997	40459	54529	87785	88862	87516	28
34784	34190	31811	24081	15014	17868	24081	38768	39244	38649	29
771101	757919	705195	533839	332826	396095	533839	859415	869960	856778	30
276939	272205	253269	191727	119534	142257	191727	308657	312444	307710	31
171031	168107	156413	118406	73821	87854	118406	190619	192958	190034	32
178285	175237	163047	123428	76952	91580	123428	198704	201142	198094	33
144846	142370	132466	100278	62519	74404	100278	161435	163416	160940	34

TABLE 331

ESTIMATED LABOR REQUIREMENTS

FOR HORSES AND MULES

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Horses and Mules

District & County	Number on	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
	Hand Jan. 1, 1935	Total State	Dist.		Total State	Dist.		
1 Willamette Valley	44217			987372			44217	44217
2 Benton	2610	5.90	1.53	58281	5.90	1.53	2610	2610
3 Clackamas	6869	15.54	4.02	153386	15.54	4.02	6869	6869
4 Lane	5435	12.29	3.18	121365	12.29	3.18	5435	5435
5 Linn	7191	16.26	4.20	160567	16.26	4.20	7191	7191
6 Marion	7577	17.14	4.43	169195	17.14	4.43	7577	7577
7 Multnomah	1839	4.16	1.08	41066	4.16	1.08	1839	1839
8 Polk	3271	7.40	1.91	73042	7.40	1.91	3271	3271
9 Washington	5217	11.80	3.05	116497	11.80	3.05	5217	5217
10 Yamhill	4208	9.52	2.46	93964	9.52	2.46	4208	4208
11 Coast & Lower Col.	6508			145325			6508	6508
12 Clatsop	601	9.24	.35	13421	9.24	.35	601	601
13 Columbia	1650	25.35	.97	36845	25.35	.97	1650	1650
14 Coos	1914	29.41	1.12	42739	29.41	1.12	1914	1914
15 Curry	642	9.87	.38	14336	9.87	.38	642	642
16 Lincoln	788	12.11	.46	17596	12.11	.46	788	788
17 Tillamook	913	14.03	.53	20388	14.03	.53	913	913
18 Southern Oregon	9992			223120			9992	9992
19 Douglas	4214	42.17	2.46	94098	42.17	2.46	4214	4214
20 Jackson	4304	43.07	2.52	96108	43.08	2.52	4304	4304
21 Josephine	1474	14.75	.86	32914	14.75	.86	1474	1474
22 Columbia Basin	35759			798505			35759	35759
23 Gilliam	3763	10.52	2.20	84029	10.52	2.20	3763	3763
24 Hood River	880	2.46	.51	19650	2.46	.51	880	880
25 Morrow	5105	14.28	2.98	113996	14.28	2.98	5105	5105
26 Sherman	4389	12.27	2.57	98008	12.27	2.57	4389	4389
27 Umatilla	12560	35.12	7.34	280465	35.12	7.34	12560	12560
28 Wasco	6489	18.15	3.79	144901	18.15	3.79	6489	6489
29 Wheeler	2573	7.20	1.50	57456	7.20	1.50	2573	2573
30 Eastern Oregon	36345			811587			36345	36345
31 Baker	8969	24.68	5.24	200279	24.68	5.24	8969	8969
32 Malheur	13705	37.71	8.01	306034	37.71	8.01	13705	13705
33 Union	6257	17.22	3.66	139720	17.22	3.66	6257	6257
34 Wallowa	7414	20.40	4.33	165554	20.40	4.33	7414	7414
35 Central Oregon	38250			854126			38250	38250
36 Crook	4724	12.35	2.76	105487	12.35	2.76	4724	4724
37 Deschutes	2944	7.70	1.72	65739	7.70	1.72	2944	2944
38 Grant	5763	15.07	3.37	128689	15.07	3.37	5763	5763
39 Harney	9417	24.62	5.51	210283	24.62	5.51	9417	9417
40 Jefferson	2034	5.32	1.19	45419	5.32	1.19	2034	2034
41 Klamath	7383	19.30	4.32	164863	19.30	4.32	7383	7383
42 Lake	5985	15.65	3.50	133646	15.65	3.50	5985	5985
43								
44 Total for State	171071			3820035			171071	171071
45								

ESTIMATED LABOR REQUIREMENTS

Estimated Number of Man-Hours Required Seasonally in 1934, by Counties, Districts, and for the State, to Perform Major Operations in the Production of Horses and Mules

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
110546	110546	45543	114964	114964	106121	106121	101699	44217	44217	1
6525	6525	2688	6786	6786	6264	6264	6003	2610	2610	2
17173	17173	7075	17859	17859	16486	16486	15799	6869	6869	3
13588	13588	5598	14131	14131	13044	13044	12501	5435	5435	4
17978	17978	7407	18697	18697	17258	17258	16539	7191	7191	5
18943	18943	7804	19700	19700	18185	18185	17427	7577	7577	6
4598	4598	1894	4781	4781	4414	4414	4230	1839	1839	7
8178	8178	3369	8505	8505	7850	7850	7523	3271	3271	8
13043	13043	5374	13564	13564	12521	12521	11999	5217	5217	9
10520	10520	4334	10941	10941	10099	10099	9678	4208	4208	10
16271	16271	6703	16921	16921	15619	15619	14968	6508	6508	11
1503	1503	619	1563	1563	1442	1442	1382	601	601	12
4125	4125	1700	4290	4290	3960	3960	3795	1650	1650	13
4785	4785	1971	4976	4976	4594	4594	4402	1914	1914	14
1605	1605	661	1669	1669	1541	1541	1477	642	642	15
1970	1970	812	2049	2049	1891	1891	1812	788	788	16
2283	2283	940	2374	2374	2191	2191	2100	913	913	17
24980	24980	10291	25978	25978	23982	23982	22981	9992	9992	18
10535	10535	4340	10956	10956	10114	10114	9692	4214	4214	19
10760	10760	4433	11190	11190	10330	10330	9899	4304	4304	20
3685	3685	1518	3832	3832	3538	3538	3390	1474	1474	21
89400	89400	36832	92973	92973	85822	85822	82247	35759	35759	22
9408	9408	3876	3876	9784	9031	9031	8655	3763	3863	23
2200	2200	906	2288	2288	2112	2112	2024	880	880	24
12763	12763	5258	13273	13273	12252	12252	11742	5105	5105	25
10973	10973	4521	11411	11411	10534	10534	10095	4389	4389	26
31400	31400	12937	32656	32656	30144	30144	28888	12560	12560	27
16223	16223	6684	16871	16871	15574	15574	14925	6489	6489	28
6433	6433	2650	6690	6690	6175	6175	5918	2573	2573	29
90864	90864	37435	94496	94496	87229	87229	83594	36345	36345	30
22423	22423	9238	23319	23319	21526	21526	20629	8969	8969	31
34263	34263	14116	35633	35633	32892	32892	31522	13705	13705	32
15643	15643	6445	16268	16268	15017	15017	14391	6257	6257	33
18535	18535	7636	19276	19276	17794	17794	17052	7414	7414	34
95627	95627	39398	99449	99449	91801	91801	87974	38250	38250	35
11810	11810	4866	12282	12282	11338	11338	10865	4724	4724	36
7360	7360	3032	7654	7654	7066	7066	6771	2944	2944	37
14408	14408	5936	14984	14984	13831	13831	13255	5763	5763	38
23543	23543	9700	24484	24484	22601	22601	21659	9417	9417	39
5085	5085	2095	5288	5288	4882	4882	4678	2034	2034	40
18458	18458	7604	19196	19196	17719	17719	16981	7383	7383	41
14963	14963	6165	15561	15561	14364	14364	13765	5985	5985	42
427688	427688	176202	444781	444781	410574	410574	393463	171071	171071	43
										44
										45

TABLE 332

ESTIMATED LABOR REQUIREMENTS

FOR HOGS

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts and for the State,
to Perform Major Operations in the Production of Hogs

District & County	Number on	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
	Hand Jan. 1, 1935	Total State	Total Dist.		Total State	Total Dist.		
1 Willamette Valley	70083			210243			9811	14018
2 Benton	3803	5.43	2.26	11409	5.43	2.26	532	761
3 Clackamas	10310	14.71	6.12	30928	14.71	6.12	1443	2062
4 Lane	7493	10.69	4.45	22480	10.69	4.45	1049	1499
5 Linn	11871	16.94	7.04	35611	16.94	7.04	1662	2374
6 Marion	15219	21.72	9.03	45659	21.72	9.03	2131	3044
7 Multnomah	2334	3.33	1.39	7001	3.33	1.39	327	467
8 Polk	5038	7.19	2.99	15113	7.19	2.99	705	1008
9 Washington	7171	10.23	4.25	21511	10.23	4.25	1004	1434
10 Yamhill	6844	9.77	4.06	20531	9.77	4.06	958	1369
11 Coast & Lower Col.	11598			34792			1624	2319
12 Clatsop	647	5.58	.38	1941	5.58	.38	91	129
13 Columbia	2050	17.68	1.22	6150	17.68	1.22	287	410
14 Coos	3191	27.51	1.89	9573	27.52	1.89	447	638
15 Curry	1706	14.71	1.01	5117	14.71	1.01	239	341
16 Lincoln	824	7.11	.49	2472	7.11	.49	115	165
17 Tillamook	3180	27.42	1.89	9539	27.42	1.89	445	636
18 Southern Oregon	11583			34746			1622	2316
19 Douglas	5531	47.75	3.28	16591	47.75	3.28	774	1106
20 Jackson	4277	36.93	2.54	12829	36.92	2.54	599	855
21 Josephine	1775	15.32	1.05	5326	15.33	1.05	249	355
22 Columbia Basin	24311			72938			3404	4863
23 Gilliam	2043	8.40	1.21	6130	8.40	1.21	286	409
24 Hood River	1043	4.29	.62	3130	4.29	.62	146	209
25 Morrow	2315	9.52	1.37	6946	9.52	1.37	324	463
26 Sherman	2693	11.08	1.60	8080	11.08	1.60	377	539
27 Umatilla	7142	29.38	4.24	21426	29.38	4.24	1000	1428
28 Wasco	7691	31.64	4.56	23073	31.63	4.56	1077	1538
29 Wheeler	1384	5.69	.82	4153	5.69	.82	194	277
30 Eastern Oregon	37767			113302			5288	7554
31 Baker	7854	20.80	4.66	23563	20.80	4.66	1100	1571
32 Malheur	5883	15.58	3.49	17650	15.58	3.49	824	1177
33 Union	9372	24.82	5.56	28115	24.81	5.56	1312	1874
34 Wallowa	14658	38.81	8.70	43974	38.81	8.70	2052	2932
35 Central Oregon	13238			36721			1854	2647
36 Crook	1179	8.91	.70	3539	8.91	.70	165	236
37 Deschutes	2331	17.61	1.38	6991	17.60	1.38	326	466
38 Grant	1840	13.90	1.09	5522	13.90	1.09	258	368
39 Harney	662	5.00	.39	1987	5.00	.39	93	132
40 Jefferson	692	5.23	.41	2076	5.23	.41	97	138
41 Klamath	5179	39.12	3.07	15539	39.12	3.07	725	1036
42 Lake	1355	10.24	.80	4067	10.24	.80	190	271
43								
44 Total for State	168580			505742			23603	33717
45								

TABLE 333

ESTIMATED LABOR REQUIREMENTS

FOR SHEEP

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Sheep

District & County	Number on	Percent		Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
	Hand Jan. 1, 1935	Total State	Dist.		Total State	Dist.		
1 Willamette Valley	253645			1268228			106530	136968
2 Benton	32631	12.87	1.48	163155	12.87	1.48	13705	17621
3 Clackamas	17653	6.96	.80	88267	6.96	.80	7414	9533
4 Lane	39244	15.47	1.78	196221	15.47	1.78	16482	21192
5 Linn	67786	26.73	3.07	338928	26.73	3.07	28470	36604
6 Marion	37439	14.76	1.70	187197	14.76	1.70	15724	20217
7 Multnomah	2280	.90	.10	11400	.90	.10	958	1231
8 Polk	26254	10.35	1.19	131270	10.35	1.19	11027	14177
9 Washington	6408	2.53	.29	32039	2.53	.29	2691	3460
10 Yamhill	23950	9.44	1.09	119751	9.44	1.09	10059	12933
11 Coast & Lower Col.	39163			195814			16449	21148
12 Clatsop	109	.28	.01	547	.28	.01	46	59
13 Columbia	2216	5.66	.10	11081	5.66	.10	931	1197
14 Coos	16021	40.91	.73	80103	40.91	.73	6729	8651
15 Curry	17480	44.63	.79	87400	44.63	.79	7342	9439
16 Lincoln	2996	7.65	.14	14980	7.65	.14	1258	1618
17 Tillamook	341	.87	.02	1713	.87	.02	143	184
18 Southern Oregon	121628			608142			51084	65447
19 Douglas	106557	87.61	4.83	532786	87.61	4.83	44754	57125
20 Jackson	13178	10.84	.60	65890	10.84	.60	5535	7125
21 Josephine	1893	1.56	.09	9466	1.56	.09	795	1082
22 Columbia Basin	574965			2874825			241484	310487
23 Gilliam	80898	14.07	3.66	404490	14.07	3.66	33977	43685
24 Hood River	1336	.23	.06	6678	.23	.06	561	721
25 Morrow	139121	24.20	6.30	695603	24.20	6.30	58431	75125
26 Sherman	18322	3.19	.83	91610	3.19	.83	7695	9894
27 Umatilla	144946	25.21	6.57	724730	25.21	6.57	60877	78271
28 Wasco	83929	14.60	3.80	419648	14.60	3.80	35250	45322
29 Wheeler	106413	18.51	4.82	532066	18.51	4.82	44693	57463
30 Eastern Oregon	509052			2545255			213802	274387
31 Baker	79068	15.53	3.58	395341	15.53	3.58	33209	42697
32 Malheur	279212	54.85	12.65	1396058	54.85	12.65	117269	150774
33 Union	47286	9.29	2.14	236428	9.29	2.14	19860	25534
34 Wallowa	103486	20.33	4.69	517428	20.33	4.69	43464	55882
35 Central Oregon	709445			3547230			297966	383101
36 Crook	67431	9.51	3.05	337155	9.51	3.05	28321	36113
37 Deschutes	32605	4.60	1.48	163027	4.60	1.48	13694	17607
38 Grant	118870	16.76	5.38	594351	16.76	5.38	49925	64190
39 Harney	174079	24.53	7.88	870398	24.56	7.88	73113	94003
40 Jefferson	24785	3.49	1.12	123927	3.49	1.12	10410	13384
41 Klamath	142658	20.11	6.46	713288	20.11	6.46	59916	77035
42 Lake	149017	21.01	6.75	745084	21.01	6.75	62587	80469
43								
44 Total for State	2207898			11039494			9273151	1192264
45								

ESTIMATED LABOR REQUIREMENTS

FOR SHEEP

Estimated Number of Man-Hours Required Seasonally
in 1934, by Counties, Districts, and for the State,
to Perform Major Operations in the Production of Sheep

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
136968	101458	76093	50730	50730	76093	114142	136968	154724	126824	1
17621	13052	9789	6526	6526	9789	14684	17621	19905	16316	2
9533	7061	5296	3531	3531	5296	7944	9533	10768	8827	3
21192	15698	11773	7849	7849	11773	17660	21192	23939	19622	4
36604	27114	20336	13557	13557	20336	30504	36604	41349	33893	5
20217	14976	11232	7488	7488	11232	16848	20217	22838	18720	6
1231	912	684	456	456	684	1026	1231	1391	1140	7
14177	10502	7876	5251	5251	7876	11814	14177	16015	13127	8
3460	2563	1922	1282	1282	1922	2884	3460	3909	3204	9
12933	9580	7185	4790	4790	7185	10778	12933	14610	11975	10
21148	15664	11749	7832	7832	11749	17622	21148	23890	19583	11
59	44	33	22	22	33	49	59	66	55	12
1197	886	665	443	443	665	997	1197	1352	1108	13
8651	6408	4806	3204	3204	4806	7209	8651	9773	8011	14
9439	6992	5244	3496	3496	5244	7866	9439	10663	8740	15
1618	1198	899	599	599	899	1348	1618	1828	1498	16
184	136	102	68	68	102	153	184	208	171	17
65679	48651	36488	24326	24326	36488	54733	65679	74194	60815	18
57541	42623	31967	21311	21311	31967	47951	57541	65000	53279	19
7116	5271	3953	2636	2636	3953	5930	7116	8039	6589	20
1022	757	568	379	379	568	852	1022	1155	947	21
310481	229985	172490	114993	114993	172490	258734	310481	350729	287484	22
43685	32359	24269	16180	16180	24269	36404	43685	49348	40449	23
721	534	401	267	267	401	601	721	815	668	24
75125	55648	41736	27824	27824	41736	62604	75125	84864	69561	25
9894	7329	5497	3664	3664	5497	8245	9894	11176	9161	26
78271	57978	43484	28989	28989	43484	65226	78271	88417	72473	27
45322	33572	25179	16786	16786	25179	37768	45322	51197	41965	28
57463	42565	31924	21283	21283	31924	47886	57463	64912	53207	29
274887	203620	152716	101810	101810	152716	229074	274887	310520	254526	30
42697	31627	23720	15814	15814	23720	35581	42697	48231	39534	31
150774	111685	83764	55842	55842	83764	125645	150774	170319	139606	32
25534	18914	14186	9457	9457	14186	21279	25534	28844	23643	33
55882	41394	31046	20697	20697	31046	46569	55882	63126	51743	34
383101	283778	212834	141889	141889	212834	319251	383101	432761	354725	35
36413	26972	20229	13486	13486	20229	30344	36413	41133	33716	36
17607	13042	9782	6521	6521	9782	14672	17607	19889	16303	37
64190	47548	35661	23774	23774	35661	53492	64190	72511	59435	38
94003	69632	52224	34816	34816	52224	78336	94003	106188	87040	39
13384	9914	7436	4957	4957	7436	11153	13384	15119	12393	40
77035	57063	42797	28532	28532	42797	64196	77035	87021	71329	41
80469	59607	44705	29803	29803	44705	67058	80469	90900	74509	42
1192264	883156	662370	441580	441580	662370	993556	1192264	1346818	1103957	43
										44
										45

TABLE 334

ESTIMATED LABOR REQUIREMENTS

FOR GOATS

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Goats

District & County	Number on Hand Jan. 1, 1935	Percent Total		Est. No. Man- Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1. Willamette Valley	76024			160412			10644	11403
2 Benton	8953	11.78	7.22	18890	11.78	7.22	1253	1343
3 Clackamas	6161	8.10	4.97	13002	8.11	4.97	863	924
4 Lane	18854	24.80	15.20	39785	24.80	15.20	2640	2828
5 Linn	11205	14.74	9.03	23644	14.74	9.04	1569	1681
6 Marion	8926	11.74	7.20	18836	11.74	7.20	1250	1339
7 Multnomah	423	.56	.34	890	.56	.34	59	63
8 Polk	10473	13.78	8.44	22096	13.78	8.44	1466	1571
9 Washington	2162	2.84	1.74	4562	2.84	1.74	303	324
10 Yamhill	8867	11.66	7.15	18707	11.66	7.15	1241	1330
11 Coast & Lower Col.	9564			20177			1338	1435
12 Clatsop	224	2.55	.18	471	2.33	.18	31	34
13 Columbia	1208	12.63	.97	2547	12.62	.97	169	181
14 Coos	1984	20.74	1.60	4189	20.76	1.60	278	298
15 Curry	2645	27.66	2.13	5580	27.66	2.13	370	397
16 Lincoln	3389	35.44	2.73	7148	35.43	2.73	474	508
17 Tillamook	114	1.19	.09	242	1.20	.09	16	17
18 Southern Oregon	36059			76088			5049	5408
19 Douglas	31876	88.40	25.70	67260	88.40	25.70	4463	4781
20 Jackson	2483	6.89	2.00	5241	6.89	2.00	348	372
21 Josephine	1700	4.71	1.37	3587	4.71	1.37	238	255
22 Columbia Basin	1071			2250			149	162
23 Gilliam	38	3.55	.03	80	3.56	.03	5	6
24 Hood River	112	10.46	.09	237	10.53	.09	16	17
25 Morrow	30	2.80	.02	61	2.71	.02	4	5
26 Sherman	30	2.80	.02	61	2.71	.02	4	5
27 Umatilla	130	12.14	.11	272	12.09	.11	18	20
28 Wasco	529	49.39	.43	1115	49.56	.43	74	79
29 Wheeler	202	18.86	.16	424	18.84	.16	28	30
30 Eastern Oregon	535			1129			75	80
31 Baker	155	28.97	.13	328	29.05	.13	22	23
32 Malheur	245	45.79	.20	516	45.70	.20	34	37
33 Union	79	14.77	.06	166	14.70	.06	11	12
34 Wallowa	56	10.47	.05	119	10.54	.05	8	8
35 Central Oregon	778			1639			108	117
36 Crook	53	6.81	.04	111	6.77	.04	7	8
37 Deschutes	100	12.85	.08	211	12.87	.08	14	15
38 Grant	81	10.41	.07	170	10.37	.07	11	12
39 Harney	79	10.15	.06	166	10.13	.06	11	12
40 Jefferson	103	13.24	.08	216	13.18	.08	14	15
41 Klamath	272	34.96	.22	573	34.96	.22	38	41
42 Lake	90	11.56	.07	192	11.71	.07	13	14
43								
44 Total for State	124031			261695			17363	18605
45								

ESTIMATED LABOR REQUIREMENTS

FOR GOATS

Estimated Number of Man-Hours Required Seasonally in 1934, by Counties, Districts, and for the State, to Perform Major Operations in the Production of Goats

[illegible]

TABLE 335

ESTIMATED LABOR REQUIREMENTS

FOR CHICKENS

Estimated Number of Man-Hours Required Seasonally in
1934, by Counties, Districts, and for the State, to
Perform Major Operations in the Production of Chickens

District & County	Number on Hand Jan. 1, 1935	Percent Total		Est. No. Man- Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	1815626			2215074			179748	179748
2 Benton	73026	4.02	2.31	89096	4.02	2.31	7230	7230
3 Clackamas	385975	21.26	12.19	470894	21.26	12.19	38212	38212
4 Lane	306858	16.90	9.69	374366	16.90	9.69	30379	30379
5 Linn	210219	11.58	6.64	256468	11.58	6.64	20812	20812
6 Marion	232830	12.82	7.35	284052	12.82	7.35	23050	23050
7 Multnomah	120640	6.65	3.81	147180	6.65	3.81	11943	11943
8 Polk	85731	4.72	2.71	104591	4.72	2.71	8487	8487
9 Washington	258604	14.24	8.16	315498	14.24	8.16	25602	25602
10 Yamhill	141743	7.81	4.48	172929	7.81	4.48	14033	14033
11 Coast & Lower Col.	230671			281420			22836	22836
12 Clatsop	64110	27.79	2.02	78216	27.79	2.02	6347	6347
13 Columbia	72917	31.61	2.30	88960	31.61	2.30	7219	7219
14 Coos	41388	17.94	1.31	50492	17.94	1.31	4097	4097
15 Curry	7656	3.32	.24	9341	3.32	.24	758	758
16 Lincoln	20175	8.75	.64	24612	8.75	.64	1997	1997
17 Tillamook	24425	10.59	.77	29799	10.59	.77	2418	2418
18 Southern Oregon	349620			426534			34612	34612
19 Douglas	175535	50.21	5.54	214153	50.21	5.54	17378	17378
20 Jackson	96900	27.72	3.06	118216	27.72	3.06	9593	9593
21 Josephine	77185	22.08	2.44	94165	22.08	2.44	7641	7641
22 Columbia Basin	313431			382388			31030	31030
23 Gilliam	22016	7.02	.70	26864	7.03	.70	2180	2180
24 Hood River	30990	9.89	.98	37808	9.89	.98	3068	3068
25 Morrow	40073	12.79	1.27	48888	12.79	1.27	3967	3967
26 Sherman	28300	9.03	.89	34526	9.03	.89	2802	2802
27 Umatilla	141544	45.16	4.47	172684	45.16	4.47	14013	14013
28 Wasco	35688	11.39	1.13	43538	11.39	1.13	3533	3533
29 Wheeler	14820	4.73	.47	18080	4.73	.47	1467	1467
30 Eastern Oregon	253413			309167			25088	25088
31 Baker	62358	24.61	1.97	76073	24.61	1.97	6173	6173
32 Malheur	86006	33.94	2.72	104932	33.94	2.72	8515	8515
33 Union	66462	26.23	2.10	81085	26.23	2.10	6580	6580
34 Wallowa	38587	15.23	1.22	47077	15.23	1.22	3820	3820
35 Central Oregon	204979			250064			20292	20292
36 Crook	21344	10.41	.67	26039	10.41	.67	2113	2113
37 Deschutes	50004	24.40	1.58	61000	24.40	1.58	4950	4950
38 Grant	22637	11.04	.72	27617	11.04	.72	2241	2241
39 Harney	14700	7.17	.46	17934	7.17	.46	1455	1455
40 Jefferson	9280	4.53	.29	11322	4.53	.29	919	919
41 Klamath	67942	33.15	2.15	82886	33.15	2.15	6726	6726
42 Lake	19072	9.30	.60	23266	9.30	.60	1888	1888
43								
44 Total for State	3167740			3864647			313606	313606
45								

TABLE 336

ESTIMATED LABOR REQUIREMENTS

FOR TURKEYS

Estimated Number of Man-Hours Required Seasonally in 1934, by Counties, Districts, and for the State, to Perform Major Operations in the Production of Turkeys

District & County	Number on Hand Jan. 1, 1935	Percent Total		Est. No. Man-Hours Spent on Total	Percent Total		Jan.	Feb.
		State	Dist.		State	Dist.		
1 Willamette Valley	85482			170964			11113	11968
2 Benton	6108	7.15	3.43	12217	7.15	3.43	794	855
3 Clackamas	8427	9.86	4.73	16854	9.86	4.73	1096	1180
4 Lane	11918	13.94	6.68	23836	13.94	6.68	1549	1669
5 Linn	17916	20.96	10.05	35833	20.96	10.05	2329	2508
6 Marion	14836	17.36	8.32	29673	17.36	8.32	1929	2077
7 Multnomah	1122	1.31	.63	2241	1.31	.63	146	157
8 Polk	6369	7.45	3.57	12740	7.45	3.57	828	892
9 Washington	5467	6.40	3.07	10932	6.40	3.07	711	765
10 Yamhill	13319	15.58	7.47	26638	15.58	7.47	1731	1865
11 Coast & Lower Col.	3700			7403			480	518
12 Clatsop	148	4.00	.08	295	4.00	.08	19	21
13 Columbia	936	25.30	.53	1873	25.30	.53	122	131
14 Coos	1596	43.14	.90	3194	43.14	.90	207	223
15 Curry	570	15.41	.32	1143	15.41	.32	74	80
16 Lincoln	331	8.95	.19	660	8.95	.19	43	46
17 Tillamook	119	3.22	.07	238	3.22	.07	15	17
18 Southern Oregon	52876			105748			6873	7402
19 Douglas	40795	77.15	22.88	81587	77.15	22.88	5303	5711
20 Jackson	8342	15.78	4.68	16685	15.77	4.68	1084	1168
21 Josephine	3739	7.07	2.10	7476	7.07	2.10	486	523
22 Columbia Basin	17392			34785			2261	2436
23 Gilliam	1151	6.62	.65	2304	6.62	.65	150	161
24 Hood River	2629	15.12	1.48	5257	15.12	1.48	342	368
25 Morrow	2471	14.21	1.39	4943	14.21	1.39	321	346
26 Sherman	549	3.16	.31	1096	3.16	.31	71	77
27 Umatilla	7398	42.54	4.15	14798	42.54	4.15	962	1036
28 Wasco	1811	10.41	1.02	3622	10.41	1.02	235	254
29 Wheeler	1383	7.95	.78	2765	7.95	.78	180	194
30 Eastern Oregon	7835			15670			1018	1097
31 Baker	2400	30.63	1.35	4800	30.63	1.35	312	336
32 Malheur	2869	36.62	1.61	5740	36.62	1.61	373	402
33 Union	910	11.62	.51	1819	11.62	.51	118	127
34 Wallowa	1656	21.14	.93	3311	21.14	.93	215	232
35 Central Oregon	11011			22017			1433	1542
36 Crook	1104	10.03	.62	2206	10.03	.62	144	155
37 Deschutes	1566	14.22	.88	3131	14.22	.88	204	219
38 Grant	2086	18.95	1.17	4170	18.95	1.17	271	292
39 Harney	694	6.30	.39	1386	6.30	.39	90	97
40 Jefferson	521	4.73	.29	1040	4.73	.29	68	73
41 Klamath	4397	39.93	2.47	8797	39.93	2.47	572	616
42 Lake	643	5.84	.36	1287	5.84	.36	84	90
43								
44 Total for State	178296			356587			23178	24963
45								

ESTIMATED LABOR REQUIREMENTS

FOR TURKEYS

Estimated Number of Man-Hours Required Seasonally in 1934, by Counties, Districts, and for the State, to Perform Major Operations in the Production of Turkeys

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
12821	29919	29062	20516	9403	9403	9403	8550	9403	9403	1
916	2138	2077	1466	672	672	672	611	672	672	2
1264	2949	2865	2022	927	927	927	843	927	927	3
1788	4171	4052	2860	1311	1311	1311	1192	1311	1311	4
2687	6271	6091	4300	1971	1971	1971	1792	1971	1971	5
2225	5193	5044	3561	1632	1632	1632	1484	1632	1632	6
168	393	381	269	123	123	123	112	123	123	7
955	2229	2165	1529	701	701	701	637	701	701	8
820	1913	1859	1312	601	601	601	547	601	601	9
1998	4662	4528	3197	1465	1465	1465	1332	1465	1465	10
555	1297	1258	889	407	407	407	371	407	407	11
22	52	50	36	16	16	16	15	16	16	12
140	328	318	225	103	103	103	94	103	103	13
239	559	543	383	176	176	176	160	176	176	14
86	200	194	137	63	63	63	57	63	63	15
50	116	113	79	36	36	36	33	36	36	16
18	42	40	29	13	13	13	12	13	13	17
7931	18507	17977	12690	5816	5816	5816	5288	5816	5816	18
6119	14278	13870	9791	4487	4487	4487	4080	4487	4487	19
1251	2920	2836	2002	918	918	918	834	918	918	20
561	1309	1271	879	411	411	411	374	411	411	21
2609	6087	5913	4175	1913	1913	1913	1739	1913	1913	22
173	403	391	276	127	127	127	115	127	127	23
394	920	894	631	289	289	289	263	289	289	24
371	865	840	593	272	272	272	247	272	272	25
82	192	187	132	60	60	60	55	60	60	26
1110	2589	2515	1776	814	814	814	740	814	814	27
272	634	616	435	199	199	199	181	199	199	28
207	484	470	332	152	152	152	138	152	152	29
1175	2743	2663	1880	862	862	862	784	862	862	30
360	840	816	576	264	264	264	240	264	264	31
430	1004	975	689	316	316	316	287	316	316	32
137	319	309	218	100	100	100	91	100	100	33
248	580	563	397	182	182	182	166	182	182	34
1652	3853	3743	2643	1210	1210	1210	1101	1210	1210	35
166	386	375	265	121	121	121	110	121	121	36
235	548	532	376	172	172	172	157	172	172	37
313	730	709	501	229	229	229	209	229	229	38
104	243	236	167	76	76	76	69	76	76	39
78	182	177	125	57	57	57	52	57	57	40
660	1539	1495	1055	484	484	484	440	484	484	41
96	225	219	154	71	71	71	64	71	71	42
26743	62406	60616	42793	19611	19611	19611	17833	19611	19611	43
										44
										45

TABLE 337

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR ENTIRE STATE

Enterprise	Acreage or Number of Head	Percent of Group Total	Estimated No. Man-Hours Spent on Total	Percent Group Total	Grand Total
1 Small Grains	1207416	44.47	8697518	12.38	5.64
2 Alfalfa Hay	242224	8.92	5526844	7.87	3.59
3 Clover Hay	63324	2.33	700364	1.00	.45
4 Vetch Hay	98330	3.62	1386453	1.97	.90
5 Other Tame Hay	221543	8.16	2747021	3.91	1.78
6 Wild Hay	98005	3.61	823243	1.17	.53
7 Grain Hay	388533	14.31	4817809	6.86	3.13
8 Corn All	54043	1.99	1477135	2.10	.96
9 Potatoes	52199	1.92	2886799	4.11	1.87
10 Beans - Dry	1235	.05	41179	.06	.03
11 Kale	5310	.20	346967	.49	.22
12 Roots for Feed	8152	.30	475109	.68	.31
13 Flax - Fiber	1900	.07	65550	.09	.04
14 Annual Legume Seed	60790	2.24	845333	1.20	.55
15 Perennial " "	28944	1.07	577152	.82	.37
16 Grass Seed	28803	1.06	319947	.46	.21
17 Hops	17774	.65	7557506	10.76	4.90
18 Apples	22858	.84	2871156	4.09	1.86
19 Pears	17271	.64	2151985	3.06	1.40
20 Prunes	47197	1.74	4724851	6.73	3.06
21 Cherries	8292	.31	2577379	3.67	1.67
22 Peaches	2901	.11	250047	.36	.16
23 Strawberries	10633	.39	7466177	10.63	4.84
24 Raspberries	4415	.16	7072839	10.07	4.59
25 Blackberries	1189	.04	583799	.83	.38
26 Loganberries	1920	.07	2208000	3.14	1.43
27 Filberts	5230	.19	283157	.40	.18
28 Walnuts	14425	.53	762220	1.09	.49
29 Total of Crop and					
30 Horticultural	2714847	100	70243539	100	
31 Enterprises					
32					
33 Beef Cattle	505595	7.28	11628717	13.86	7.55
34 Dairy Cattle	419543	6.04	52442904	62.50	34.02
35 Horses & Mules	171071	2.46	3820035	4.55	2.48
36 Hogs	168580	2.43	505742	.60	.33
37 Sheep	2207898	31.80	11039494	13.15	7.17
38 Goats	124031	1.79	261695	.31	.17
39 Chickens	3167740	45.63	3864647	4.61	2.51
40 Turkeys	178296	2.57	356587	.42	.23
41 Total Livestock					
42 and Poultry	6942754	100	83919821	100	
43					
44 Grand Total			154163360		100
45					

TABLE 337

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR ENTIRE STATE

	January	February	March	April	May	June
1			1448459	523947	156402	172041
2	17797	53051	423989	205344	145771	1095657
3			18997			297623
4			19665			
5			177227			
6						
7			310826			
8		42343	44745	171389	236215	129629
9	67860	137283	137283	69167	575756	521990
10			2766	1729	2223	9513
11	29099	29099	29099	20711	23046	43172
12			49729	25924	20382	28534
13	380	3040	6460	2470	2470	
14	173	173	7476	1222		1720
15			7862	9564	9218	89986
16	227	380	1289	1991	2703	2022
17	35548	106644	325264	437241	609648	398137
18	49581	181533	231468	181030	113297	286264
19	145238	156865	84478	58871	194134	285113
20	238808	412971	157907	82422	69470	67612
21		22583	22664	14122	21961	836028
22		25331	38876	15996	20963	19786
23			14036	330366	1476711	5016331
24	61810	83885	52980	143492	92715	2275937
25	4756	30914	77285	9512	4756	19024
26	7680	130560	126720	46080	46080	49920
27	3452	10460	13075	1046	26150	15690
28	9521	33178	40390	21638	12406	1443
29						
30	671930	1460293	3871015	2375274	3862477	11663172
31						
32						
33	1061750	1061750	1263995	1112311	758400	556155
34	5160383	5160383	4908653	4824752	4489110	3398302
35	171071	171071	427688	427688	176202	444781
36	23603	33717	40456	50574	57318	67432
37	927315	1192264	1192264	883156	662370	441580
38	17363	18605	24808	34727	34727	17363
39	313606	313606	370627	373793	316777	310436
40	23178	24963	26743	62406	60616	42793
41						
42	7698269	7976359	8255234	7769407	6555520	5278842
43						
44	8370199	9436652	12126249	20144681	10417997	16942014
45						

TABLE 337

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR ENTIRE STATE

July	August	September	October	November	December	
1233067	3735226	951354	226780	125121	125121	1
1533150	1084841	851363	55120	60761		2
316620			67124			3
1061965			304823			4
1860885			708909			5
823243						6
3263677			1243306			7
128263	2402	347545	373643	961		8
111242			1127498	67860	67860	9
2223		8325	14400			10
	21240	21347	71846	29154	29154	11
8152		39130	174453	82337	46468	12
48450			380	1140	760	13
223236	298647	109881	202117	688		14
81317	115058	173727	90420			15
34579	141284	124377	5571	5297	227	16
133306	1697418	3604567	71096	85315	53322	17
214698	57155	538350	591992	407693	18095	18
101860	385922	497502	81912	21653	138437	19
70660	217489	3339535	67977			20
1619863	23574	11207	5377			21
3784	112453	12858				22
372471	115371	65820	42429	32642		23
4286965		26490	17660	13245	17660	24
13079	173594	240178	4756	5945		25
1200000	593280		7680			26
		4134	209150			27
		11396	632248			28
18749755	8774954	10989086	6398667	939812	497104	29
						30
						31
						32
556155	556155	758400	1466228	1466228	1011190	33
2118697	2521454	3398302	5470841	5537968	5454059	34
444781	410574	410574	393463	171071	171071	35
57318	50574	40456	33717	26974	23603	36
441580	662370	993556	1192264	1346818	1103957	37
17363	17363	17363	17363	22325	22325	38
307274	307274	313606	313606	310436	313606	39
19611	19611	19611	17833	19611	19611	40
						41
3962779	4545375	5951868	8905315	8901431	8119422	42
						43
22712534	13320329	16940954	15303982	9841243	8616526	44
						45

TABLE 338

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR WILLAMETTE VALLEY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	377920	39.30	3711177	8.82	5.37		
2 Alfalfa Hay	28254	2.94	731786	1.74	1.06	16952	19779
3 Clover Hay	51746	5.38	572311	1.36	.83		
4 Vetch Hay	85703	8.91	1208412	2.87	1.75		
5 Other Tame Hay	42836	4.45	531166	1.26	.77		
6 Wild Hay	6404	.67	53794	.13	.08		
7 Grain Hay	90973	9.46	1128066	2.68	1.63		
8 Corn - All	37552	3.90	1036058	2.46	1.50		30792
9 Potatoes	22857	2.38	1259879	2.99	1.82	29714	60114
10 Beans - Dry	181	.02	6036	.01	.01		
11 Kale	5095	.53	332913	.79	.48	27921	27921
12 Roots for Feed	4605	.48	268382	.64	.39		
13 Flax - Fiber	1900	.20	65550	.16	.09	380	3040
14 Annual Legume Seed	58542	6.09	801444	1.90	1.16		
15 Perennial " "	16667	1.73	291007	.69	.42		
16 Grass Seed	24998	2.60	245982	.58	.36		
17 Hops	16729	1.74	7113172	16.90	10.29	33458	100374
18 Apples	8267	.86	866797	2.06	1.25	26206	58035
19 Pears	2867	.30	271229	.64	.39	10037	21072
20 Prunes	34662	3.60	3265504	7.76	4.72	187521	319583
21 Cherries	5262	.55	1298665	3.08	1.88		22101
22 Peaches	1696	.18	145320	.35	.21		15264
23 Strawberries	9261	.96	6502799	15.45	9.41		
24 Raspberries	4170	.43	6680342	15.87	9.66	58380	79230
25 Blackberries	935	.10	459085	1.09	.66	3740	24310
26 Loganberries	1920	.20	2208000	5.24	3.19	7680	130560
27 Filberts	5230	.54	283157	.67	.41	3452	10460
28 Walnuts	14425	1.50	762220	1.81	1.10	9521	33178
29 Total of Crop and							
30 Horticultural	961657	100	42100253	100		414962	955813
31 Enterprises							
32							
33 Beef Cattle	26012	1.02	598282	2.21	.87	54626	54626
34 Dairy Cattle	171313	6.74	21414131	79.24	30.98	2107151	2107151
35 Horses - Mules	44217	1.74	987372	3.65	1.43	44217	44217
36 Hogs	70083	2.76	210243	.78	.30	9811	14018
37 Sheep	253645	9.98	1268228	4.69	1.83	106530	136968
38 Goats	76024	2.99	160412	.59	.23	10644	11403
39 Chickens	1815626	71.41	2215074	8.19	3.20	179748	179748
40 Turkeys	85482	3.36	170964	.63	.25	11113	11968
41 Total Livestock							
42 and Poultry	2542402	100	27024706	100		2523840	2560099
43							
44 Grand Total			69124959		100	2938802	3515912
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR WILLAMETTE VALLEY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
835204				359024	1859367	657582			
101714	37862	849	281976	180825	89002		2827		
15524			243206	258730			54851		
17141				925592			265679		
34269				359822			137075		
				53794					
72779				764174			291113		
30792	119040	166356	89372	90125		252726	256855		
60114	30401	252114	228570	45714			493710	29714	29714
405	253	326	1395	326		1220	2111		
27921	19871	22112	41423		20380	20482	68936	27973	27973
28091	14644	11513	16118	4605		22104	98547	46511	26249
6460	2470	2470		48450			380	1140	760
4683				219534	278076	99522	199629		
5001					100002	98336	87668		
				10499	103743	121740	5000	5000	
306141	411534	573805	374729	125468	1597620	3392641	66916	80299	50187
70765	64070	40509	66136	49602	20669	182783	224201	63821	
22019	19354	10323	25803	11468	67377	65082	11468	3641	3585
113343	61004	50954	50954	50954	169844	2207969	53378		
5262	5262	15786	413069	809295	17366	5262	5262		
21203	11027	10854	11872	2697	65839	6564			
12225	287740	1286168	4369061	321412	100483	57326	36952	28432	
50040	135526	87570	2149636	4049070		25020	16680	12510	16680
60775	7480	3740	14960	10285	136510	188870	3740	4675	
126720	46080	46080	49920	1200000	593280		7680		
13075	1046	26150	15690			4134	209150		
40390	21638	12406	1443			11396	632248		
2082056	1295302	2620085	8445333	9954465	5219558	7420759	3232056	303716	155148
65031	57225	39019	28614	28614	28614	39019	75435	65435	52024
2004362	1970101	1833049	1387637	865132	1029590	1307437	2233920	2261332	2227069
110546	110546	45543	114964	114964	106121	106121	101699	44217	44217
16819	21024	23827	28033	23827	21024	16819	14018	11212	9811
136968	101458	76093	50730	50730	76093	1141142	136968	154724	126824
15205	21285	21285	10644	10644	10644	10644	10644	13685	13685
212429	214244	181563	177932	176117	176117	179748	179748	177932	179748
12821	29919	29062	20516	9403	9403	9403	8550	9403	9403
2574181	2525802	2249441	1819070	1279431	1457606	1863533	2760982	2747940	2662781
4656237	3822104	4869526	1024403	1123300	607714	9284292	5993038	3051656	2817929

TABLE 339

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR BENTON COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	26251	41.10	257785	17.38	8.02		
2 Alfalfa Hay	3617	5.66	93682	6.32	2.91	2170	2532
3 Clover Hay	2000	3.13	22120	1.49	.69		
4 Vetch Hay	6800	10.65	95880	6.46	2.98		
5 Other Tame Hay	4400	6.89	54560	3.68	1.70		
6 Wild Hay	150	.23	1260	.08	.04		
7 Grain Hay	5382	8.43	66737	4.50	2.08		
8 Corn - All	1174	1.84	32392	2.18	1.01		963
9 Potatoes	650	1.02	35830	2.42	1.11	845	1710
10 Beans - Dry	15	.02	501	.03	.02		
11 Kale	95	.15	6209	.42	.19	521	521
12 Roots for Feed	75	.12	4374	.29	.14		
13 Flax - Fiber	40	.06	1380	.09	.04	8	64
14 Annual Legume Seed	8025	12.56	109863	7.41	3.42		
15 Perennial " "	750	1.17	13095	.88	.41		
16 Grass Seed	990	1.55	9742	.66	.30		
17 Hops	400	.63	170080	11.47	5.29	800	2400
18 Apples	1026	1.61	107577	7.25	3.35	3252	7203
19 Pears	243	.38	22989	1.55	.71	851	1786
20 Prunes	949	1.49	89404	1.03	2.78	5134	8750
21 Cherries	162	.25	39982	2.70	1.24		680
22 Peaches	89	.14	7627	.51	.24		801
23 Strawberries	176	.28	123581	8.33	3.84		
24 Raspberries	30	.05	48060	3.24	1.49	420	570
25 Blackberries	10	.02	4910	.33	.15	40	260
26 Loganberries	40	.06	46000	3.10	1.43	160	2720
27 Filberts	130	.20	7039	.47	.22	86	260
28 Walnuts	200	.31	10568	.71	.33	132	460
29 Total of Crop and							
30 Horticultural	63869		1483227			14419	31680
31 Enterprises							
32							
33 Beef Cattle	3466	2.46	79719	4.60	2.48	7279	7279
34 Dairy Cattle	10399	7.38	1299876	75.02	40.42	127908	127908
35 Horses & Mules	2610	1.85	58281	3.36	1.81	2610	2610
36 Hogs	3803	2.70	11409	.66	.35	532	761
37 Sheep	32631	23.14	163155	9.42	5.07	13705	17621
38 Goats	8953	6.35	18890	1.09	.59	1253	1343
39 Chickens	73026	51.79	89096	5.14	2.77	7230	7230
40 Turkeys	6108	4.33	12217	.71	.38	794	855
41 Total Livestock							
42 and Poultry	140996		1732643			161311	165607
43							
44 Grand Total			3215870			175730	197287
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR BENTON COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
58015				24938	129155	45677			
13021	4847	109	36098	23149	11394		362		
600			9400	10000			2120		
1360				73440			21080		
3520				36960			14080		
				1260					
4306				45209			17222		
963	3722	5201	2794	2818		7901	8030		
1710	865	7170	6500	1300			14040	845	845
34	21	27	116	27		101	175		
521	371	412	772		380	382	1285	522	522
458	239	188	263	75		360	1605	758	428
136	52	52		1020			8	24	16
642				30094	38119	13643	27365		
225					4500	4425	3945		
				416	4109	4821	198	198	
7320	9840	13720	8960	3000	38200	81120	1600	1920	1200
8783	7952	5027	8208	6156	2565	22685	27825	7921	
1866	1640	875	2187	972	5711	5516	972	309	304
3103	1670	1395	1395	1395	4650	60451	1461		
162	162	486	12717	24916	535	162	162		
1113	579	570	623	142	3455	344			
232	5468	24443	83032	6165	1910	1089	702	540	
360	975	630	15465	29130		180	120	90	120
650	80	40	160	110	1460	2020	40	50	
2640	960	960	1040	25000	12360		160		
325	26	650	390			103	5199		
560	300	172	20			158	8766		
112625	39769	62127	190140	347692	258503	251138	158522	13177	3435
8665	7625	5199	3813	3813	3813	5199	10051	10051	6932
121668	119589	111269	84232	52515	62498	84232	135603	137267	135187
6525	6525	2688	6786	6706	6264	6264	6003	2610	2610
913	1141	1293	1521	1293	1141	913	761	608	532
17621	13052	9789	6526	6526	9789	14684	17621	19905	16316
1791	2507	2507	1253	1253	1253	1253	1253	1612	1612
8544	8617	7303	7157	7004	7004	7230	7230	7157	7230
916	2138	2077	1466	672	672	672	611	672	672
166643	161194	142125	112754	79942	92514	120447	179133	179682	171091
279268	200963	204252	302894	427634	351017	371585	337655	193059	174526

TABLE 340

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR CLACKAMAS COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	38937	35.99	382361	8.12	4.54		
2 Alfalfa Hay	757	.70	19607	.42	.23	454	530
3 Clover Hay	7759	7.17	85815	1.82	1.02		
4 Vetch Hay	9683	8.95	136530	2.90	1.62		
5 Other Tame Hay	2500	2.31	31000	.66	.37		
6 Wild Hay	600	.55	5040	.11	.06		
7 Grain Hay	16219	14.99	201116	4.27	2.39		
8 Corn - All	5777	5.34	159387	3.38	1.89		4737
9 Potatoes	6442	5.95	355083	7.54	4.22	8375	16942
10 Beans - Dry							
11 Kale	2000	1.85	130680	2.77	1.55	10960	10960
12 Roots for Feed	1000	.92	58280	1.24	.69		
13 Flax - Fiber	600	.55	20700	.44	.25	120	960
14 Annual Legume Seed	6650	6.15	91040	1.93	1.08		
15 Perennial " "	505	.47	8818	.19	.10		
16 Grass Seed	200	.18	1968	.04	.02		
17 Hops	700	.65	297640	2.32	3.53	1400	1200
18 Apples	1494	1.38	156647	3.32	1.86	4736	10488
19 Pears	261	.24	24691	.52	.29	914	1918
20 Prunes	1595	1.47	150267	3.19	1.78	8629	14706
21 Cherries	262	.24	64662	1.37	.77		1100
22 Peaches	149	.14	12768	.27	.15		1341
23 Strawberries	1483	1.37	1041319	22.10	12.36		
24 Raspberries	500	.46	801000	17.00	9.51	7000	9500
25 Blackberries	75	.07	36825	.78	.44	300	1950
26 Loganberries	300	.28	345000	7.32	4.10	1200	20400
27 Filberts	750	.69	40606	.86	.48	495	1500
28 Walnuts	1000	.92	52840	1.12	.63	660	2300
29 Total of Crop and							
30 Horticultural	108198		4711690			45243	103532
31 Enterprises							
32							
33 Beef Cattle	1225	.27	28180	.76	.33	2573	2573
34 Dairy Cattle	23278	5.06	2909751	78.39	34.55	286319	286319
35 Horses & Mules	6869	1.49	153386	4.13	1.82	6869	6869
36 Hogs	10310	2.24	30928	.83	.37	1443	2062
37 Sheep	17653	3.84	88267	2.38	1.05	7414	9533
38 Goats	6161	1.34	13002	.35	.15	863	924
39 Chickens	385975	83.93	470894	12.69	5.59	38212	38212
40 Turkeys	8427	1.83	16854	.45	.20	1096	1180
41 Total Livestock							
42 and Poultry	459898		3711262			344789	347672
43							
44 Grand Total			8422952			390032	451204
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR CLACKAMAS COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
86051				36990	191570	67750			
2725	1014	23	7555	4845	2385		76		
2328			36467	38795			8225		
1937				104576			30017		
2000				21000			8000		
				5040					
12975				136240			51901		
4737	18313	25592	13749	13865		38879	39515		
16942	8568	71055	64420	12884			139147	8375	8375
10960	7800	8680	16260		8000	8040	27060	10980	10980
6100	3180	2500	3500	1000		4800	21400	10100	5700
2040	780	780		15300			120	360	240
532				24938	31588	11305	22677		
152				84	3030	2980	2656		
					830	974	40	40	
12610	17220	24010	15680	5250	66850	141960	2800	3360	2100
12789	11579	7321	11952	8964	3735	33032	40517	11534	
2004	1762	940	2349	1044	6134	5925	1044	331	326
5216	2807	2345	2345	2345	7816	101602	2456		
262	262	786	20567	40296	865	262	262		
1863	969	954	1043	237	5784	577			
1958	46077	205959	699635	51949	16091	9180	5917	4553	
6000	16250	10500	257750	485500		3000	2000	1500	2000
4875	600	300	1200	825	10950	15150	300	375	
19800	7200	7200	7800	147500	92700		1200		
1875	150	3750	2250			593	29993		
2800	1500	860	100			790	43830		
221731	146031	373555	1164622	1199467	448328	446799	481153	51508	29721
3063	2695	1838	1348	1348	1348	1838	3553	3553	2450
272353	267697	249075	188552	117554	139901	188552	303545	307270	302614
17173	17173	7075	17859	17859	16486	16486	15799	6869	6869
2474	3093	3505	4124	3505	3093	2474	2062	1650	1443
9533	7061	5296	3531	3531	5296	7944	9533	10768	8827
1232	1725	1725	863	863	863	863	863	1109	1109
45159	45545	38598	37826	37440	37440	38212	38212	37826	38212
1264	2949	2865	2022	927	927	927	843	927	927
352251	347938	309977	256125	183027	205354	257296	374410	369972	362451
573982	493969	683532	1420747	1382494	653682	704095	855563	421480	392172

TABLE 341

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR LAKE COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Total	Grand Total	Jan.	Feb.
1 Small Grain	41154	36.39	404132	13.78	5.93		
2 Alfalfa Hay	6358	5.62	164674	5.62	2.42	3815	4451
3 Clover Hay	1800	1.59	19908	.68	.29		
4 Vetch Hay	11899	10.52	167776	5.72	2.46		
5 Other Tame Hay	6500	5.75	80600	2.75	1.18		
6 Wild Hay	2200	1.95	18480	.63	.27		
7 Grain Hay	19202	16.98	238105	8.12	3.49		
8 Corn - All	3501	3.10	96592	3.29	1.42		2871
9 Potatoes	2234	1.98	123136	4.20	1.81	2904	5875
10 Beans - Dry	25	.02	835	.03	.01		
11 Kale	150	.13	9803	.33	.14	822	822
12 Roots for Feed	500	.44	29140	.99	.43		
13 Flax - Fiber	20	.02	690	.02	.01	4	32
14 Annual Legume Seed	8227	7.28	112627	3.84	1.65		
15 Perennial "	200	.18	3492	.12	.05		
16 Grass Seed	2100	1.86	20664	.70	.30		
17 Hops	1000	.88	425200	14.50	6.24	2000	6000
18 Apples	939	.83	98455	3.36	1.44	2977	6592
19 Pears	503	.44	47585	1.62	.70	1761	3697
20 Prunes	1946	1.72	183333	6.25	2.69	10528	17942
21 Cherries	795	.70	196207	6.69	2.88		3339
22 Peaches	151	.13	12938	.44	.19		1359
23 Strawberries	442	.39	310359	10.58	4.55		
24 Raspberries	40	.04	64080	2.19	.94	560	760
25 Blackberries	15	.01	7365	.25	.11	60	390
26 Loganberries	30	.03	34500	1.18	.51	120	2040
27 Filberts	500	.44	27070	.92	.40	330	1000
28 Walnuts	650	.57	34347	1.17	.50	429	1495
29 Total of Crop and							
30 Horticultural	11304.1		2932093			26310	50665
31 Enterprises							
32							
33 Beef Cattle	7800	1.85	179400	4.62	2.63	16380	16380
34 Dairy Cattle	23399	5.56	292476	75.34	42.92	287808	287808
35 Horses & Mules	5435	1.29	121365	3.13	1.78	5435	5435
36 Hogs	7493	1.78	22480	.58	.33	1049	1499
37 Sheep	39244	9.32	198221	5.05	2.88	16482	21192
38 Goats	18854	4.48	39785	1.02	.58	2640	2820
39 Chickens	306858	72.89	374366	9.64	5.49	30379	30379
40 Turkeys	11918	2.83	23836	.61	.35	1549	1669
41 Total Livestock							
42 and Poultry	421001		3882329			361722	367190
43							
44 Grand Total			6814422			388032	425855
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR LANE COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
90950				39096	202478	71608			
22889	8520	191	63453	40691	20028		636		
540			8460	9000			1908		
2380				128509			36887		
5200				54600			20000		
				18480					
15362				161297			61446		
2871	11098	15509	8332	8402		23562	23947		
5875	2971	24641	22340	4468			48254	2904	2904
56	35	45	193	45		169	292		
822	585	651	1220		600	603	2030	824	824
3050	1590	1250	1750	500		2400	10700	5050	2850
68	26	26		510			4	12	8
658				30851	39078	13986	28054		
60					1200	1180	1052		
				882	8715	10227	420	420	
18300	24600	34300	22400	7500	95500	202800	4000	4800	3000
8038	7277	4601	7512	5634	2348	20761	25466	7249	
3863	3395	1811	4527	2012	11821	11418	2012	639	629
6363	3425	2861	2861	2861	9535	123960	2997		
795	795	2385	62408	122271	2624	795	795		
1888	982	966	1057	240	5862	584			
583	13733	61385	208522	15483	4796	2736	1764	1357	
480	1300	840	20620	38840		240	160	120	160
975	120	60	240	165	2190	3030	60	75	
1980	720	720	780	18750	9270		120		
1250	100	2500	1500			395	19995		
1820	975	559	65			514	28490		
197116	82247	155301	438240	711087	416045	490968	322289	23450	10375
19500	17160	11700	8580	8580	8580	11700	22620	22620	15600
273768	269089	250369	189532	118165	140628	189532	305123	308867	304187
13588	13588	5598	14131	14131	13044	13044	12501	5435	5435
1798	2248	2548	2997	2548	2248	1798	1499	1199	1049
21192	15698	11773	7849	7849	11773	17660	21192	23939	19622
3771	5279	5279	2640	2640	2640	2640	2640	3394	3394
35902	36209	30686	30072	29765	29765	30379	30379	30072	30379
1788	4171	4052	2860	1311	1311	1311	1192	1311	1311
371307	363442	322005	258661	184989	209989	268064	397146	396837	380977
568423	445689	477306	696901	896076	626034	759032	719435	420287	391352

TABLE 342

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR LINN COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	81462	45.60	799957	19.52	9.63		
2 Alfalfa Hay	3961	2.22	102591	2.51	1.24	2377	2773
3 Clover Hay	6697	3.75	74069	1.81	.89		
4 Vetch Hay	11497	6.44	162108	3.96	1.95		
5 Other Tame Hay	9000	5.04	111600	2.72	1.35		
6 Wild Hay	1000	.56	8400	.21	.10		
7 Grain Hay	13160	7.37	163184	3.98	1.96		
8 Corn - All	4864	2.72	134198	3.27	1.61		3988
9 Potatoes	1532	.86	84445	2.06	1.01	1992	4029
10 Beans - Dry	131	.07	4367	.11	.53		
11 Kale	200	.11	13068	.32	.16	1096	1096
12 Roots for Feed	1500	.84	87420	2.13	1.05		
13 Flax - Fiber	200	.11	6900	.17	.08	40	320
14 Annual Legume Seed	14490	8.11	198369	4.83	2.38		
15 Perennial " "	4572	2.56	79828	1.95	.96		
16 Grass Seed	18618	10.42	183203	4.47	2.20		
17 Hops	306	.17	130112	3.17	1.56	612	1836
18 Apples	735	.41	77066	1.88	.93	2330	5160
19 Pears	98	.05	9272	.23	.11	343	720
20 Prunes	1474	.83	138866	3.39	1.67	7974	13590
21 Cherries	188	.11	46398	1.13	.56		790
22 Peaches	125	.07	10712	.26	.13		1125
23 Strawberries	1237	.69	868585	21.20	10.46		
24 Raspberries	300	.17	480600	11.73	5.78	4200	5700
25 Blackberries	75	.04	36825	.90	.43	300	1950
26 Loganberries	20	.01	23000	.56	.28	80	1360
27 Filberts	500	.28	27070	.66	.33	330	1000
28 Walnuts	700	.39	36988	.90	.45	462	1610
29 Total of Crop and							
30 Horticultural	178642		4099201			22136	47047
31 Enterprises							
32							
33 Beef Cattle	4596	1.29	105709	2.52	1.28	9652	9652
34 Dairy Cattle	26046	7.30	3255750	77.29	39.17	320366	320366
35 Horses & Mules	7191	2.02	160576	3.82	1.94	7191	7191
36 Hogs	11871	3.33	35611	.86	.43	1662	2374
37 Sheep	67786	19.00	338928	8.05	4.08	28470	36604
38 Goats	11205	3.14	23644	.57	.29	1569	1681
39 Chickens	210219	58.91	256468	6.08	3.08	20812	20812
40 Turkeys	17916	5.02	35833	.86	.43	2329	2508
41 Total Livestock							
42 and Poultry	356830		4212519			392051	401188
43							
44 Grand Total			8311720			414187	448235
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR LINN COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
180031				77389	400793	141744			1
14260	5308	119	39531	25350	12477		396		2
2009			31476	33485			7099		3
2299				124168			35641		4
7200				75600			28800		5
				8400					6
10528				110544			42112		7
3988	15419	21548	11576	11674		32735	33270		8
4029	2038	16898	15320	3064			33091	1992	9
293	183	236	1009	236		883	1527		10
1096	780	868	1626		800	804	2706	1098	11
9150	4770	3750	5250	1500		7200	32100	15150	12
680	260	260		5100			40	120	13
1159				54338	68828	24633	49411		14
1372					27432	26975	24049		15
				7820	77265	90670	3724	3724	16
5600	7528	10496	6854	2295	29223	62057	1224	1469	17
6292	5696	3602	5880	4410	1838	16251	19933	5674	18
753	662	353	882	392	2303	2225	392	124	19
4820	2594	2167	2167	2167	7223	93894	2270		20
188	188	564	14758	28914	620	188	188		21
1563	813	800	875	199	4853	484			22
1633	38434	171595	583579	43332	13421	7657	4536	3798	23
3600	9750	6300	154650	291300		1800	1200	900	24
4875	600	300	1200	825	10950	15150	300	375	25
1320	480	480	520	12500	6180		80		26
1250	100	2500	1500			395	19995		27
1960	1050	602	70			553	30681		28
271948	96653	243638	878723	925002	664206	526298	375165	34424	13961
11490	10111	6894	5056	5056	5056	6894	13328	13328	9192
304738	299529	278692	210973	131532	156536	210973	339640	343807	338598
17978	17978	7407	18697	18697	17258	17258	16539	7191	7191
2849	3561	4036	4748	4036	3561	2849	2374	1899	1662
36604	27114	20336	13557	13557	20336	30504	36604	41349	33893
2241	3137	3137	1569	1569	1569	1569	1569	2017	2017
24596	24806	21022	20601	20391	20391	20812	20812	20601	20812
2687	6271	6091	4300	1971	1971	1971	1792	1971	1971
403183	392507	347615	279501	196809	226678	292830	432658	432163	415336
675131	489160	591253	1158224	1121811	890884	819128	807823	466587	429297

TABLE 343

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR MARION COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Total	Percent Grand Total	Jan.	Feb.
1 Small Grain	66390	41.43	651951	6.07	4.39		
2 Alfalfa Hay	2846	1.78	73712	.69	.50	1708	1992
3 Clover Hay	8000	4.99	88480	.82	.60		
4 Vetch Hay	14866	9.28	209611	1.95	1.41		
5 Other Tame Hay	7200	4.49	89280	.83	.60		
6 Wild Hay							
7 Grain Hay	12425	7.75	154070	1.44	1.04		
8 Corn - All	10237	6.39	282438	2.63	1.90		8394
9 Potatoes	2924	1.82	161170	1.50	1.08	3801	7690
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber	1000	.62	34500	.32	.23	200	1600
14 Annual Legume Seed	3700	2.31	50653	.47	.34		
15 Perennial " "	900	.56	15714	.15	.11		
16 Grass Seed	1400	.87	13776	.13	.09		
17 Hops	8223	5.13	3496420	32.57	23.52	16446	49338
18 Apples	940	.59	98559	.92	.66	2980	6599
19 Pears	513	.32	48532	.45	.33	1796	3771
20 Prunes	8009	5.00	754527	7.03	5.08	43329	73843
21 Cherries	1388	.87	342558	3.19	2.30		5830
22 Peaches	270	.17	23133	.22	.16		2430
23 Strawberries	2685	1.68	1885326	17.56	12.68		
24 Raspberries	350	.22	560700	5.22	3.77	4900	6650
25 Blackberries	400	.25	196400	1.83	1.32	1600	10400
26 Loganberries	1100	.69	1265000	11.78	8.51	4400	74800
27 Filberts	1500	.94	81210	.76	.55	990	3000
28 Walnuts	3000	1.87	158520	1.48	1.07	1980	6900
29 Total of Crop and							
30 Horticultural	160266		10736240			84130	263237
31 Enterprises							
32							
33 Beef Cattle	2960	.85	68080	1.65	.46	6216	6216
34 Dairy Cattle	26636	7.69	3329500	80.58	22.39	327623	327623
35 Horses & Mules	7577	2.19	169195	4.10	1.14	7577	7577
36 Hogs	15219	4.39	45659	1.11	.31	2131	3044
37 Sheep	37439	10.81	187197	4.53	1.26	15724	20217
38 Goats	8926	2.58	18836	.46	.13	1250	1339
39 Chickens	232830	67.21	284052	6.87	1.91	23050	23050
40 Turkeys	14836	4.28	29673	.72	.20	1929	2077
41 Total Livestock							
42 and Poultry	346423		4132192			385500	391143
43							
44 Grand Total			14868432			469630	654380
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR MARION COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
116722				63071	326639	115519			
10246	3814	85	28403	18214	8965		285		
2400			37600	40000			8480		
2973				160553			46085		
5760				60480			23040		
9940				104370			39760		
8394	32451	45350	24364	24569		68895	70021		
7690	3889	32252	29240	5848			63158	3801	3801
3400	1300	1300		25500			200	600	400
296				13875	17575	6290	12617		
270					5400	5310	4734		
				588	5810	6818	280	280	
150481	202286	282049	184195	61673	785297	1667624	32892	39470	24669
8046	7285	4606	7520	5640	2350	20783	25493	7257	
3940	3463	1847	4617	2052	12056	11645	2052	652	641
26189	14096	11773	11773	11773	39244	510173	12334		
1388	1388	4164	108958	213474	4580	1388	1388		
3375	1755	1728	1890	429	10481	1045			
3544	83423	372893	1266702	94056	29132	16620	10713	8243	
4200	11375	7350	180425	339850		2100	1400	1050	1400
26000	3200	1600	6400	4400	58400	80800	1600	2000	
72600	26400	26400	28600	687500	339900		4400		
3750	300	7500	4500			1185	59985		
8400	4500	2580	300			2370	131490		
510004	400925	803477	1925487	1937915	1645829	2518565	552407	63353	30911
7400	6512	4440	3256	3256	3256	4440	8584	8584	5920
311641	306314	285005	215752	134512	160082	215752	347333	351595	346268
18943	18943	7804	19700	19700	18185	18185	17427	7577	7577
3653	4566	5174	6088	5174	4566	3653	3044	2435	2131
20217	14976	11232	7488	7488	11232	16848	20217	22838	18720
1785	2499	2499	1250	1250	1250	1250	1250	1607	1607
27241	27474	23283	22817	22585	22585	23050	23050	22817	23050
2225	5193	5044	3561	1632	1632	1632	1484	1632	1632
393105	386477	344481	279912	195597	222788	284810	422389	419085	406905
903109	787402	1147958	2205399	2133512	1868617	2803375	974796	482438	437816

TABLE 344

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR MULTNOMAH COUNTY

Enterprise		Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Grand Total Total		Jan.	Feb.
1	Small Grain	2775	13.70	27251	.77	.55		
2	Alfalfa Hay	794	3.91	20564	.58	.42	476	556
3	Clover Hay	1820	8.97	20129	.57	.41		
4	Vetch Hay	323	1.59	4554	.13	.09		
5	Other Tame Hay	3000	14.78	37200	1.06	.75		
6	Wild Hay	1500	7.39	12600	.36	.26		
7	Grain Hay	1507	7.42	18687	.53	.38		
8	Corn - All	1172	5.77	32335	.92	.66		961
9	Potatoes	2958	14.57	163045	4.63	3.30	3845	7780
10	Beans - Dry							
11	Kale	450	2.22	29405	.83	.60	2466	2466
12	Roots for Feed	100	.49	5828	.17	.12		
13	Flax - Fiber							
14	Annual Legume Seed	250	1.23	3424	.10	.07		
15	Perennial " "	200	.99	3492	.10	.07		
16	Grass Seed							
17	Hops							
18	Apples	431	2.12	45190	1.28	.92	1366	3026
19	Pears	118	.58	11164	.32	.23	413	867
20	Prunes	93	.46	8762	.25	.18	503	857
21	Cherries	159	.78	38242	1.11	.80		668
22	Peaches	95	.47	8141	.23	.17		855
23	Strawberries	530	2.61	372151	10.56	7.54		
24	Raspberries	1500	7.39	2403000	68.18	48.67	21000	28500
25	Blackberries	150	.74	73650	2.09	1.49	600	3900
26	Loganberries	150	.74	172500	4.89	3.49	600	10200
27	Filberts	150	.74	8122	.23	.17	99	300
28	Walnuts	75	.37	3965	.11	.08	50	173
29	Total of Crop and							
30	Horticultural	20300		3524401			31418	61109
31	Enterprises							
32								
33	Beef Cattle	502	.36	11545	.82	.23	1054	1054
34	Dairy Cattle	9530	6.87	1191250	84.33	24.13	117219	117219
35	Horses & Mules	1839	1.33	41066	2.91	.83	1839	1839
36	Hogs	2334	1.68	7001	.50	.14	327	467
37	Sheep	2280	1.64	11400	.81	.23	958	1231
38	Goats	423	.31	890	.06	.02	59	63
39	Chickens	120640	87.00	147180	10.42	2.98	11943	11943
40	Turkeys	1122	.81	2241	.16	.05	146	157
41	Total Livestock							
42	and Poultry	138670		1412573			133545	133973
43								
44	Grand Total			4936974			164963	195082
45								

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR MULTNOMAH COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6133				2636	13653	4829			
2858	1064	24	7924	5082	2501		79		
546			8554	9100			1929		
65				3488			1001		
2400				25200			9600		
				12600					
1206				12659			4822		
961	3715	5192	2789	2813		7888	8016		
7780	3934	32627	29580	5916			63893	3845	3845
2466	1755	1953	3659		1800	1809	6089	2471	2471
610	318	250	350	100		480	2140	1010	570
20				938	1188	425	853		
60					1200	1180	1052		
3689	3340	2112	3448	2586	1078	9529	11689	3327	
906	797	425	1062	472	2773	2679	472	150	148
304	164	137	137	137	456	5924	143		
159	159	477	12482	24454	525	159	159		
1188	618	608	665	151	3688	368			
700	16467	73606	250038	18566	5751	3201	2115	1627	
18000	48750	31500	773250	1456500		9000	6000	4500	6000
9750	1200	600	2400	1650	21900	30300	600	750	
9900	3600	3600	3900	93750	46350		600		
375	30	750	450			119	5999		
210	113	65	8			59	3287		
70286	86024	153926	1100696	1678798	102863	78029	130538	17680	13034
1255	1104	753	552	552	552	753	1456	1456	1004
111501	109595	101971	77193	48127	57275	77193	124271	125796	123890
4598	4598	1894	4781	4781	4414	4414	4230	1839	1839
560	700	793	934	793	700	560	467	373	327
1231	912	684	456	456	684	1026	1231	1391	1140
85	118	118	59	59	59	59	59	76	76
14115	14236	12064	11823	11702	11702	11943	11943	11823	11943
168	393	381	269	123	123	123	112	123	123
133513	131656	118650	96067	66593	75509	96071	143769	142877	140342
203799	217680	272504	1196763	1745391	178372	174100	274307	160557	153376

TABLE 345

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR POLK COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	41277	41.12	405340	8.45	6.00		
2 Alfalfa Hay	2717	2.71	70372	1.47	1.04	1630	1902
3 Clover Hay	5670	5.65	62710	1.31	.93		
4 Vetch Hay	9402	9.37	132568	2.76	1.97		
5 Other Tame Hay	3796	3.78	47070	.98	.70		
6 Wild Hay	400	.40	3360	.07	.05		
7 Grain Hay	4445	4.43	55118	1.15	.82		
8 Corn - All	2135	2.13	58905	1.23	.87		1751
9 Potatoes	954	.95	52584	1.10	.78	1240	2509
10 Beans - Dry							
11 Kale	1000	1.00	65340	1.36	.97	5480	5480
12 Roots for Feed	100	.10	5828	.12	.09		
13 Flax - Fiber	20	.02	690	.01	.01	4	32
14 Annual Legume Seed	4000	3.98	54760	1.14	.81		
15 Perennial " "	5000	4.98	87300	1.82	1.29		
16 Grass Seed	1070	1.07	10529	.22	.16		
17 Hops	4000	3.98	1700800	35.44	25.17	8000	24000
18 Apples	1070	1.07	112189	2.34	1.66	3392	7511
19 Pears	448	.45	42382	.88	.63	1568	3293
20 Prunes	9887	9.85	931454	19.41	13.79	53489	91158
21 Cherries	1385	1.38	341819	7.12	5.06		5817
22 Peaches	95	.10	8141	.17	.12		855
23 Strawberries	355	.33	235227	4.90	3.48		
24 Raspberries	75	.08	120151	2.50	1.78	1050	1425
25 Blackberries	60	.06	29460	.61	.44	240	1560
26 Loganberries	100	.10	115000	2.40	1.70	400	6800
27 Filberts	150	.15	8122	.17	.12	99	300
28 Walnuts	800	.80	42272	.88	.63	528	1840
29 Total of Crop and							
30 Horticultural	100391		4799491			77120	156233
31 Enterprises							
32							
33 Beef Cattle	1392	.92	32015	1.64	.47	2923	2923
34 Dairy Cattle	12530	8.30	1566250	80.03	23.18	154119	154119
35 Horses & Mules	3271	2.17	73042	3.73	1.08	3271	3271
36 Hogs	5038	3.34	15113	.77	.22	705	1008
37 Sheep	26254	17.38	131270	6.71	1.94	11027	14177
38 Goats	10473	6.93	22096	1.13	.33	1466	1571
39 Chickens	85731	56.75	104591	5.34	1.55	8487	8487
40 Turkeys	6369	4.22	12740	.65	.19	828	892
41 Total Livestock							
42 and Poultry	151058		1957117			182826	186448
43							
44 Grand Total			6756608			259946	342681
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR POLK COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
91222				39213	203083	71822			
9781	3641	82	27116	17389	8559		272		
1701			26649	28350			6010		
1880				101542			29146		
3037				31886			12147		
				3360					
3556				37338			14224		
1751	6768	9458	5081	5124		14369	14603		
2509	1269	10523	9540	1908			20606	1240	1240
5480	3900	4340	8130		4000	4020	13530	5490	5490
610	318	250	350	100		480	2140	1010	570
68	26	26		510			4	12	8
320				15000	19000	6800	13640		
1500					30000	29500	26300		
				449	4441	5211	214	214	
73200	98400	137200	89600	30000	382000	811200	16000	19200	12000
9159	8293	5243	8560	6420	2675	23658	29018	8260	
3441	3024	1613	4032	1792	10528	10170	1792	569	560
32330	17401	14534	14534	14534	48446	629802	15226		
1385	1385	4155	108723	213013	4571	1385	1385		
1188	618	608	665	151	3688	368			
442	10408	46525	158043	11735	3635	2074	1337	1028	
900	2438	1575	38663	72825		450	300	225	300
3900	480	240	960	660	8760	12120	240	300	
6600	2400	2400	2600	62500	30900		400		
375	30	750	450			119	5999		
2240	1200	688	80			632	35064		
258575	161999	240210	503776	695799	764286	1624180	259597	37548	20168
3480	3062	2088	1531	1531	1531	2088	4037	4037	2784
146601	144095	134071	101493	63277	75305	101493	163391	165396	162890
8178	8178	3369	8505	8505	7850	7850	7523	3271	3271
1209	1511	1713	2015	1713	1511	1209	1008	806	705
14177	10502	7876	5251	5251	7876	11814	14177	16015	13127
2095	2932	2932	1466	1466	1466	1466	1466	1885	1885
10031	10116	8573	8402	8316	8316	8487	8487	8402	8487
955	2229	2165	1529	701	701	701	637	701	701
186726	182625	162787	130192	90760	104556	135108	200726	200513	193850
445301	344624	402997	633968	786559	868842	1759288	460323	238061	214018

TABLE 346

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR WASHINGTON COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	36946	34.97	362810	7.41	4.34		
2 Alfalfa Hay	3699	3.50	95803	1.96	1.15	2219	2589
3 Clover Hay	10000	9.47	110600	2.26	1.32		
4 Vetch Hay	7643	7.24	107766	2.20	1.29		
5 Other Tame Hay	4440	4.20	55056	1.12	.66		
6 Wild Hay	554	.52	4654	.10	.06		
7 Grain Hay	11908	11.27	147659	3.02	.18		
8 Corn - All	4876	4.62	134528	2.75	1.61		3998
9 Potatoes	4012	3.80	221143	4.52	2.65	5216	10552
10 Beans - Dry							
11 Kale	800	.76	52272	1.07	.63	4384	4384
12 Roots for Feed	1300	1.23	75764	1.55	.91		
13 Flax - Fiber							
14 Annual Legume Seed	4500	4.26	61605	1.26	.74		
15 Perennial " "	3000	2.84	52380	1.07	.63		
16 Grass Seed	100	.10	984	.02	.01		
17 Hops	1500	1.42	637800	13.02	7.64	3000	9000
18 Apples	808	.77	84718	1.73	1.01	2561	5672
19 Pears	257	.24	24313	.50	.29	900	1889
20 Prunes	2323	2.20	218849	4.47	2.62	12567	21418
21 Cherries	284	.27	70091	1.43	.84		1193
22 Peaches	256	.24	21934	.45	.26		2304
23 Strawberries	2008	1.90	1409959	28.79	16.88		
24 Raspberries	375	.36	600751	12.27	7.19	5250	7125
25 Blackberries	50	.05	24550	.50	.29	200	1300
26 Loganberries	100	.10	115000	2.35	1.38	400	6800
27 Filberts	900	.85	48726	1.00	.58	594	1800
28 Walnuts	3000	2.84	158520	3.24	1.90	1980	6900
29 Total of Crop and							
30 Horticultural	105639		4898235			39271	86924
31 Enterprises							
32							
33 Beef Cattle	1232	.40	28335	.82	.34	2587	2587
34 Dairy Cattle	23410	7.56	2926250	84.68	35.03	287943	287943
35 Horses & Mules	5217	1.69	116497	3.37	1.40	5217	5217
36 Hogs	7171	2.32	21511	.62	.26	1004	1434
37 Sheep	6408	2.07	32039	.93	.38	2691	3460
38 Goats	2162	.70	4562	.13	.06	303	324
39 Chickens	258604	83.51	315498	9.13	3.78	25602	25602
40 Turkeys	5467	1.77	10932	.32	.13	711	765
41 Total Livestock							
42 and Poultry	309671		3455624			326058	327332
43							
44 Grand Total			8353859			365329	414256
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR WASHINGTON COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
81651				35099	181774	64286			
13316	4957	111	36916	23673	11652		370		
3000			47000	50000			10600		
1529				82544			23693		
3552				37296			14208		
				4654					
9526				100027			38106		
3998	15457	21601	11605	11702		32815	33352		
10552	5336	44252	40120	8024			86659	5216	5216
4384	3120	3472	6504		3200	3216	10824	4392	4392
7930	4134	3250	4550	1300		6240	27820	13130	7410
360				16875	21375	7650	15345		
900					18000	17700	15780		
				42	415	487	20	20	
27450	36900	51450	33600	11250	143250	304200	6000	7200	4500
6916	6262	3959	6464	4848	2020	17865	21913	6238	
1974	1735	925	2313	1028	6040	5834	1028	326	321
7596	4088	3415	3415	3415	11383	147975	3577		
284	284	852	22294	43679	937	284	284		
3200	1664	1638	1792	407	9938	991			
2651	62389	278871	947314	70340	21787	12430	8012	6165	
4500	12188	7875	193313	364125		2250	1500	1125	1500
3250	400	200	800	550	7300	10100	200	250	
6600	2400	2400	2600	62500	30900		400		
2250	180	4500	2700			711	35991		
8400	4500	2580	300			2370	131490		
215769	165994	431351	1363600	933378	469971	637404	487172	44062	23339
3080	2710	1848	1355	1355	1355	1848	3573	3573	2464
273897	269215	250487	189621	118221	140694	189621	305266	309012	304330
13043	13043	5374	13564	13564	12521	12521	11999	5217	5217
1721	2151	2438	2868	2438	2151	1721	1434	1147	1004
3460	2563	1922	1282	1282	1922	2884	3460	3909	3204
432	605	605	303	303	303	303	303	389	389
30257	30515	25860	25343	25085	25085	25602	25602	25343	25602
820	1913	1859	1312	601	601	601	547	601	601
326710	322715	290393	235648	162849	184632	235101	352184	349191	342811
542479	488709	721744	1599248	1096227	654603	872505	839356	383253	366150

TABLE 347

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR YAMHILL COUNTY

Enterprises	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	42728	38.40	419590	8.54	5.64		
2 Alfalfa Hay	3505	3.15	90781	1.85	1.22	2103	2454
3 Clover Hay	8000	7.19	88480	1.80	1.19		
4 Vetch Hay	13590	12.21	191619	3.90	2.57		
5 Other Tame Hay	2000	1.80	24800	.51	.33		
6 Wild Hay							
7 Grain Hay	6725	6.04	83390	1.70	1.12		
8 Corn - All	3816	3.43	105283	2.14	1.41		3129
9 Potatoes	1151	1.03	63443	1.29	.85	1496	3027
10 Beans - Dry	10	.01	333	.01	.004		
11 Kale	400	.36	26136	.53	.35	2192	2192
12 Roots for Feed	30	.03	1748	.04	.02		
13 Flax - Fiber	20	.02	690	.01	.01	4	32
14 Annual Legume Seed	8700	7.82	119103	2.42	1.60		
15 Perennial " "	1540	1.38	26888	.55	.36		
16 Grass Seed	520	.47	5116	.10	.07		
17 Hops	600	.54	255120	5.19	3.43	1200	3600
18 Apples	824	.74	86396	1.76	1.16	2612	5784
19 Pears	426	.38	40301	.82	.54	1491	3131
20 Prunes	8386	7.54	790042	16.07	10.61	45368	77319
21 Cherries	639	.57	157706	3.21	2.12		2684
22 Peaches	466	.42	39926	.81	.54		4194
23 Strawberries	365	.33	256292	5.21	3.44		
24 Raspberries	1000	.90	1602000	32.59	21.52	14000	19000
25 Blackberries	100	.09	49100	1.00	.66	400	2600
26 Loganberries	80	.07	92000	1.87	1.24	320	5440
27 Filberts	650	.58	35192	.72	.47	429	1300
28 Walnuts	5000	4.49	264200	5.38	3.55	3300	11500
29 Total Crop and							
30 Horticultural	111271		4915675			74915	147386
31 Enterprises							
32							
33 Beef Cattle	2839	1.30	65299	2.58	.88	5962	5962
34 Dairy Cattle	16085	7.38	2010628	79.52	27.01	197846	197846
35 Horses & Mules	4208	1.93	93964	3.72	1.26	4208	4208
36 Hogs	6844	3.14	20531	.81	.28	958	1369
37 Sheep	23950	10.99	119751	4.74	1.61	10059	12933
38 Goats	8867	4.07	18707	.74	.25	1241	1330
39 Chickens	141743	65.06	172929	6.84	2.32	14033	14033
40 Turkeys	13319	6.11	26638	1.05	.36	1731	1865
41 Total Livestock							
42 and Poultry	217855		2528447			236038	239546
43							
44 Grand Total			7444122			310953	386932
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR YAMHILL COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
94429				40592	210222	74347			
12618	4697	105	34980	22432	11041		351		
2400			37600	40000			8480		
2718				146772			42129		
1600				16800			6400		
5380				56490			21520		
3129	12097	16905	9083	9158		25682	26101		
3027	1531	12696	11510	2302			24862	1496	1496
22	14	18	77	18		67	117		
2192	1560	1736	3252		1600	1608	5412	2196	2196
183	95	75	105	30		144	642	303	171
68	26	26		510			4	12	8
696				32625	41325	14790	29667		
462					9240	9086	8100		
				218	2158	2532	104	104	
10980	14760	20580	131440	4500	57300	121680	2400	2880	1800
7053	6386	4038	6592	49444	2060	18219	22347	6361	
3272	2876	1534	3834	1704	10011	9670	1704	541	533
27422	14759	12327	12327	12327	41091	534188	12914		
639	639	1917	50162	98278	2109	639	639		
5825	3029	2982	3262	741	18090	1803			
482	11341	50691	172196	12786	3960	2259	1456	1121	
12000	32500	21000	515500	971000		6000	4000	3000	4000
6500	800	400	1600	1100	14600	20200	400	500	
5280	1920	1920	2080	50000	24720		320		
1625	130	3250	1950			514	25994		
14000	7500	4300	500			3950	219150		
224002	116660	156500	880049	152327	449527	847378	465213	18514	10204
7098	6246	4259	3123	3123	3123	4259	8233	8233	5678
188195	184978	172110	130289	81229	96671	130289	209748	212322	209105
10520	10520	4334	10941	10941	10099	10099	9678	4208	4208
1642	2053	2327	2730	2327	2053	1642	1369	1095	958
12933	9580	7185	4790	4790	7185	10778	12933	14610	11975
1773	2483	2483	1241	1241	1241	1241	1241	1596	1596
16584	16726	14174	13891	13749	13749	14033	14033	13891	14033
1998	4662	4528	3197	1465	1465	1465	1332	1465	1465
240743	237248	211400	170210	118865	135586	173806	258567	257420	249018
464745	353908	367900	1050259	1644192	585113	1021184	723700	275934	259222

TABLE 348

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR COAST AND LOWER COLUMBIA

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	7112	8.76	70428	3.51	.62		
2 Alfalfa Hay	1410	1.72	36532	1.82	.32	845	998
3 Clover Hay	3450	4.21	38157	1.90	.34		
4 Vetch Hay	4080	4.98	57529	2.87	.51		
5 Other Tame Hay	32291	39.44	400408	19.94	3.52		
6 Wild Hay	3500	4.28	29400	1.46	.26		
7 Grain Hay	16043	19.59	198932	9.91	1.75		
8 Corn - All	2628	3.21	72505	3.61	.64		2155
9 Potatoes	3432	4.19	189174	9.42	1.67	4463	9025
10 Beans - Dry	5	.01	167	.01	.001		
11 Kale	165	.20	10785	.54	.09	904	904
12 Roots for Feed	3050	3.73	177754	8.85	1.57		
13 Flax - Fiber							
14 Annual Legume Seed	190	.23	2603	.13	.02		
15 Perennial " "	200	.24	3492	.17	.03		
16 Grass Seed	1535	1.88	29778	1.48	.26		
17 Hops							
18 Apples	1666	2.04	174784	8.70	1.54	5280	11696
19 Pears	154	.19	14577	.73	.13	541	1133
20 Prunes	164	.20	30947	1.54	.27		541
21 Cherries	115	.14	28382	1.41	.25		482
22 Peaches	22	.03	1887	.09	.02		198
23 Strawberries	386	.47	271040	13.50	2.39		
24 Raspberries	55	.07	88111	4.39	.78	770	1045
25 Blackberries	164	.20	80524	4.01	.71	656	4264
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	81877		2007796			13459	32441
31 Enterprises							
32							
33 Beef Cattle	10221	2.70	235095	2.52	2.07	21465	21465
34 Dairy Cattle	67358	17.78	8419754	90.15	74.19	828505	828505
35 Horses & Mules	6508	1.72	145325	1.56	1.28	6508	6508
36 Hogs	11598	3.06	34792	.37	.31	1624	2319
37 Sheep	39163	10.34	195814	2.10	1.73	16449	21148
38 Goats	9564	2.52	20177	.22	.18	1338	1435
39 Chickens	230671	60.90	281420	3.00	2.48	22836	22836
40 Turkeys	3700	.98	7403	.08	.07	480	518
41 Total Livestock							
42 and Poultry	378783		9339780			899205	904734
43							
44 Grand Total			11347576			912664	937175
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR COAST AND LOWER COLUMBIA

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
15849				6813	35286	12480			
5075	1890	43	14072	9025	4443		141		
1035			16215	17250			3657		
815				44065			12649		
25832				271244			103332		
				29400					
12834				134760			51338		
2155	8331	11640	6254	6308		17687	17975		
9025	4565	37854	34320	6864			74132	4463	4463
11	7	9	39	9		34	58		
904	645	717	1343		660	664	2233	906	906
18605	9699	7625	10675	3050		14640	65270	30805	17385
14				714	904	323	648		
60					1200	1180	1052		
384	798				27937	552	107		
14261	12913	8163	13328	9996	4167	36836	45182	12862	
1183	1041	555	1386	616	3621	3496	616	197	192
558	492	164	164	164		28864			
115	115	345	9029	17688	378	115	115		
276	144	141	154	35	854	85			
509	11993	53608	182103	13521	4190	2390	1541	1185	
660	1788	1155	28353	53405		330	220	165	220
10660	1312	656	2624	1804	23944	33128	656	820	
120820	55733	122675	320058	626731	107584	152804	380922	51403	23166
25554	22487	15333	11244	11244	11244	15333	29642	29642	20442
788088	774618	720730	545600	340159	404822	545600	878348	889125	875654
16271	16271	6703	16921	16921	15619	15619	14968	6508	6508
2783	3479	3943	4639	3943	3479	2783	2319	1857	1624
21148	15664	11749	7832	7832	11749	17622	21148	23890	19583
1914	2679	2679	1338	1338	1338	1338	1338	1721	1721
26988	27219	23069	22606	22376	22376	22836	22836	22606	22836
555	1297	1258	889	407	407	407	371	407	407
883301	863714	785464	611069	404220	471034	621538	970970	975756	948775
1004121	919447	908139	931127	1030951	578618	774342	1351892	1027159	971941

TABLE 349

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR CLATSOP COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent On Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	411	5.00	4035	1.57	.34		
2 Alfalfa Hay							
3 Clover Hay							
4 Vetch Hay	122	1.48	1720	.67	.14		
5 Other Tame Hay	4057	49.32	50307	19.60	4.17		
6 Wild Hay	600	7.29	5040	1.96	.42		
7 Grain Hay	913	11.10	11321	4.41	.94		
8 Corn - All	22	.27	606	.24	.05		18
9 Potatoes	183	2.23	10086	3.93	.84	238	481
10 Beans - Dry							
11 Kale	50	.61	3269	1.27	.27	274	274
12 Roots for Feed	500	6.08	29140	11.35	2.42		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed	1000	12.16	19400	7.56	1.61		
17 Hops							
18 Apples	161	1.96	16881	6.58	1.40	510	1130
19 Pears	13	.16	1232	.48	.10	46	96
20 Prunes	14	.17	2642	1.03	.22		46
21 Cherries	6	.07	1480	.58	.12		25
22 Peaches							
23 Strawberries	14	.17	9830	3.83	.82		
24 Raspberries	10	.12	16020	6.24	1.33	140	190
25 Blackberries	150	1.82	73650	28.70	6.11	600	3900
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	8226		256659			1808	6160
31 Enterprises							
32							
33 Beef Cattle	755	1.03	17370	1.83	1.44	1586	1586
34 Dairy Cattle	6693	9.13	836626	88.17	69.40	82324	82324
35 Horses & Mules	601	.82	13421	1.41	1.11	601	601
36 Hogs	647	.88	1941	.21	.16	91	129
37 Sheep	109	.15	547	.06	.05	46	59
38 Goats	224	.31	471	.05	.04	31	34
39 Chickens	64110	87.48	78216	8.24	6.49	6347	6347
40 Turkeys	148	.20	295	.03	.02	19	21
41 Total Livestock							
42 and Poultry	73287		948887			91045	91101
43							
44 Grand Total			1205546			92853	97261
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR CLATSOP COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
908				390	2022	715			
24				1318			378		
3246				34079			12982		
				5040					
730				7669			2922		
18	70	97	52	53		148	150		
481	243	2018	1830	366			3953	238	238
274	195	217	407		200	201	677	275	275
3050	1590	1250	1750	500		2400	10700	5050	2850
250	520				18200	360	70		
1378	1248	789	1288	966	403	3560	4366	1243	
100	88	47	117	52	306	295	52	17	16
48	42	14	14	14		2464			
6	6	18	471	923	19	6	6		
18	435	1944	6605	490	152	87	56	43	
120	325	210	5155	9710		60	40	30	40
9750	1200	600	2400	1650	21900	30300	600	750	
20401	5962	7204	20089	63220	43202	40596	36952	7646	3419
1888	1661	1133	831	831	831	1133	2190	2190	1510
78308	76970	71615	54213	33800	40225	54213	87277	88348	87009
1503	1503	619	1563	1563	1442	1442	1382	601	601
155	194	220	259	220	194	155	129	104	91
59	44	33	22	22	33	49	59	66	55
45	63	63	31	31	31	31	31	40	40
7501	7565	6411	6283	6219	6219	6347	6347	6283	6347
22	52	50	36	16	16	16	15	16	16
89481	88052	80144	63238	42702	48991	63386	97430	97648	95669
109882	94014	87348	83327	105922	92193	103982	134382	105294	99088

TABLE 350

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR COLUMBIA COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	5884	25.29	57781	9.29	2.53		
2 Alfalfa Hay	364	1.57	9428	1.52	.41	218	255
3 Clover Hay	1200	5.16	13272	2.13	.58		
4 Vetch Hay	2560	11.00	36096	5.80	1.58		
5 Other Tame Hay	5000	21.49	62000	9.97	2.72		
6 Wild Hay	1300	5.59	10920	1.76	.48		
7 Grain Hay	2934	12.61	36382	5.85	1.59		
8 Corn - All	687	2.95	18954	3.05	.83		563
9 Potatoes	1670	7.18	92050	14.80	4.03	2171	4392
10 Beans - Dry							
11 Kale							
12 Roots for Feed	500	2.15	29140	4.68	1.28		
13 Flax - Fiber							
14 Annual Legume Seed	150	.65	2055	.33	.09		
15 Perennial " "	200	.86	3492	.56	.15		
16 Grass Seed	20	.09	387	.06	.02		
17 Hops							
18 Apples	405	1.74	42467	6.83	1.86	1284	2843
19 Pears	53	.23	5015	.81	.22	186	390
20 Prunes	51	.22	9623	1.55	.42		168
21 Cherries	61	.26	15055	2.42	.66		256
22 Peaches	4	.02	342	.06	.02		36
23 Strawberries	196	.84	137626	22.12	6.03		
24 Raspberries	25	.11	40051	6.44	1.75	350	475
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop							
30 Horticultural	23264		622136			4209	9378
31 Enterprises							
32							
33 Beef Cattle	1319	1.40	30339	1.83	1.33	2770	2770
34 Dairy Cattle	11872	12.61	1484000	89.30	64.98	146026	146026
35 Horses & Mules	1650	1.75	36845	2.22	1.61	1650	1650
36 Hogs	2050	2.18	6150	.37	.27	287	410
37 Sheep	2216	2.35	11081	.67	.49	931	1197
38 Goats	1208	1.28	2547	.15	.11	169	181
39 Chickens	72917	77.43	88960	5.35	3.90	7219	7219
40 Turkeys	936	.99	1873	.11	.08	122	131
41 Total Livestock							
42 and Poultry	94168		1661795			159174	159584
43							
44 Grand Total			2283931			163383	158962
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR COLUMBIA COUNTY

[illegible]

TABLE 351

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR COOS COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	491	2.21	4821	.89	.14		
2 Alfalfa Hay	952	4.28	24657	4.57	.71	571	666
3 Clover Hay	1450	6.52	16037	2.97	.46		
4 Vetch Hay	1175	5.28	16568	3.07	.48		
5 Other Tame Hay	8700	39.10	107880	20.01	3.10		
6 Wild Hay	400	1.80	3360	.62	.10		
7 Grain Hay	4841	21.76	60028	11.13	1.73		
8 Corn - All	1529	6.87	42185	7.82	1.21		1254
9 Potatoes	796	3.58	43876	8.14	1.26	1035	2093
10 Beans - Dry							
11 Kale	15	.07	979	.18	.03	82	82
12 Roots for Feed	500	2.25	29140	5.40	.84		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed	500	2.25	9700	1.80	.28		
17 Hops							
18 Apples	638	2.87	66894	12.41	1.92	2022	4479
19 Pears	50	.23	4732	.88	.14	175	368
20 Prunes	53	.24	10001	1.86	.29		175
21 Cherries	31	.14	7651	1.42	.22		130
22 Peaches	13	.06	1115	.21	.03		117
23 Strawberries	102	.46	71622	13.28	2.06		
24 Raspberries	10	.05	16020	2.97	.46	140	190
25 Blackberries	4	.02	1964	.36	.06	16	104
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	22250		539230			4041	9658
31 Enterprises							
32							
33 Beef Cattle	5258	5.69	120935	4.11	3.48	11042	11042
34 Dairy Cattle	21032	22.77	2628999	89.42	75.56	258694	258694
35 Horses & Mules	1914	2.07	42739	1.45	1.23	1914	1914
36 Hogs	3191	3.45	9573	.33	.28	447	638
37 Sheep	16021	17.34	80103	2.72	2.30	6729	8651
38 Goats	1984	2.15	4189	.14	.12	278	298
39 Chickens	41388	44.80	50492	1.72	1.45	4097	4097
40 Turkeys	1596	1.73	3194	.11	.09	207	223
41 Total Livestock							
42 and Poultry	92384		2940224			283408	285557
43							
44 Grand Total			3479454			287449	295215
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR COOS COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1085				466	2416	854			
3427	1276	29	9501	6093	2999		95		
435			6815	7250			1537		
235				12690			3643		
6960				73080			27840		
				3360					
3873				40664			15491		
1254	4847	6773	3639	3670		10290	10458		
2093	1059	8780	7960	1592			17194	1035	1035
82	59	65	122		60	60	203	82	82
3050	1590	1250	1750	500		2400	10700	5050	2850
125	260				9100	180	35		
5461	4945	3126	5104	3828	1595	14106	17303	4925	
384	338	180	450	200	1175	1135	200	64	63
180	159	53	53	53		9328			
31	31	93	2434	4768	102	31	31		
163	85	83	91	21	505	50			
135	3169	14166	48121	3573	1107	631	407	313	
120	325	210	5155	9710		60	40	30	40
260	32	16	64	44	584	808	16	20	
29353	18175	34824	91259	171562	19643	39933	105193	11519	4070
13145	11568	7887	5784	5784	5784	7887	15248	15248	10516
246074	241868	225042	170359	106212	126402	170359	274257	277622	273416
4785	4785	1971	4976	4976	4594	4594	4402	1914	1914
766	957	1085	1276	1085	957	766	638	511	447
8651	6408	4806	3204	3204	4806	7209	8651	9773	8011
397	556	556	278	278	278	278	278	357	357
4842	4884	4139	4056	4015	4015	4097	4097	4056	4097
239	559	543	383	176	176	176	160	176	176
278899	271585	246029	190316	125730	147012	195366	307731	309657	298934
308252	289760	280853	281575	297292	166655	235299	412924	321176	303004

TABLE 352

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR CURRY COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	21	.40	206	.18	.02		
2 Alfalfa Hay	85	1.62	2203	1.95	.21	51	60
3 Clover Hay	300	5.73	3318	2.94	.32		
4 Vetch Hay	180	3.44	2538	2.25	.24		
5 Other Tame Hay	2733	52.17	33889	29.99	3.22		
6 Wild Hay							
7 Grain Hay	1158	22.10	14359	12.71	1.36		
8 Corn - All	240	4.58	6622	5.86	.62		197
9 Potatoes	172	3.28	9481	8.39	.90	224	452
10 Beans - Dry	5	.10	167	.15	.02		
11 Kale							
12 Roots for Feed	150	2.86	8742	7.74	.83		
13 Flax - Fiber							
14 Annual Legume Seed	10	.19	137	.12	.01		
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	128	2.44	13421	11.88	1.27	406	899
19 Pears	13	.25	1232	1.09	.12	46	96
20 Prunes	17	.32	3208	2.84	.30		56
21 Cherries	8	.15	1974	1.75	.19		34
22 Peaches	3	.06	258	.23	.02		27
23 Strawberries	16	.31	11234	9.94	1.07		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	5239		112989			727	1821
31 Enterprises							
32							
33 Beef Cattle	1564	4.06	35971	3.82	3.41	3284	3284
34 Dairy Cattle	6255	16.24	781879	83.11	74.20	76937	76937
35 Horses & Mules	642	1.67	14336	1.52	1.36	642	642
36 Hogs	1706	4.43	5117	.54	.49	239	341
37 Sheep	17480	45.38	87400	9.29	8.29	7342	9439
38 Goats	2645	6.87	5580	.59	.53	370	397
39 Chickens	7656	19.88	9341	.99	.89	758	758
40 Turkeys	570	1.48	1143	.12	.11	74	80
41 Total Livestock							
42 and Poultry	38518		940767			89646	91878
43							
44 Grand Total			1053756			90373	93699
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR CURRY COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	46			20	103	37			
306	114	3	848	544	268		9		
90			1410	1500			318		
36				1944			558		
2186				22957			8746		
926				9727			3706		
197	761	1063	571	576		1615	1642		
452	229	1897	1720	344			3715	224	244
11	7	9	39	9		34	58		
915	477	375	525	150		720	3210	1515	855
				38	48	17	34		
1096	992	627	1024	768	320	2830	3471	988	
100	88	47	117	52	306	295	52	17	16
58	51	17	17	17		2992			
8	8	24	628	1230	26	8	8		
38	20	19	21	5	116	12			
21	497	2222	7548	560	174	99	64	49	
6440	3290	6303	14468	40441	1361	8659	25591	2793	1095
3910	3441	2346	1720	1720	1720	2346	4536	4536	3128
73184	71933	66929	50666	31588	37593	50666	81565	82566	81315
1605	1605	661	1669	1669	1541	1541	1477	642	642
409	512	580	682	580	512	409	341	273	239
9439	6992	5244	3496	3496	5244	7866	9439	10663	8740
529	741	741	370	370	370	370	370	476	476
896	903	766	750	743	743	758	758	750	758
86	200	194	137	63	63	63	57	63	63
90058	86327	77461	59490	40229	47786	64019	98543	99969	95361
96498	89617	83764	73958	80670	49147	72678	124134	102762	96456

TABLE 353

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR LINCOLN COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	340	3.28	3339	1.53	.27		
2 Alfalfa Hay	5	.05	131	.06	.01	3	4
3 Clover Hay	400	3.86	4424	2.03	.35		
4 Vetch Hay	36	.35	508	.23	.04		
5 Other Tame Hay	3868	37.34	47963	21.98	3.82		
6 Wild Hay	700	6.76	5880	2.70	.47		
7 Grain Hay	3626	35.00	44962	20.61	3.58		
8 Corn - All	126	1.22	3475	1.59	.28		103
9 Potatoes	436	4.21	24034	11.02	1.92	567	1147
10 Beans - Dry							
11 Kale	75	.72	4903	2.25	.39	411	411
12 Roots for Feed	400	3.86	23312	10.68	1.86		
13 Flax - Fiber							
14 Annual Legume Seed	30	.29	411	.19	.03		
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	237	2.29	24850	11.39	1.98	751	1664
19 Pears	18	.17	1704	.78	.14	63	132
20 Prunes	19	.18	3566	1.64	.29		63
21 Cherries	7	.07	1728	.79	.14		29
22 Peaches	2	.02	172	.08	.01		18
23 Strawberries	29	.28	20364	9.33	1.62		
24 Raspberries							
25 Blackberries	5	.05	2455	1.13	.20	20	130
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	10359		218201			1815	3701
31 Enterprises							
32							
33 Beef Cattle	1325	3.55	30480	2.94	2.43	2783	2783
34 Dairy Cattle	7506	20.11	938250	90.55	74.80	92324	92324
35 Horses & Mules	788	2.11	17596	1.70	1.40	788	788
36 Hogs	824	2.21	2472	.24	.20	115	165
37 Sheep	2996	8.03	14980	1.45	1.19	1258	1618
38 Goats	3389	9.08	7148	.69	.57	474	508
39 Chickens	20175	54.04	24612	2.38	1.96	1997	1997
40 Turkeys	331	.89	660	.06	.05	43	46
41 Total Livestock							
42 and Poultry	37334		1036198			99782	100229
43							
44 Grand Total			1254399			101597	103930
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR LINCOLN COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
751				323	1673	592			
18	7		50	32	16		1		
120			1880	2000			424		
7				389			112		
3094				32491			12378		
				5880					
2901				30458			11603		
103	399	558	300	302		848	862		
1147	580	4809	4360	872			9418	567	567
411	293	326	610		300	302	1015	412	412
2440	1272	1000	1400	400		1920	8560	4040	2280
2				113	143	51	102		
2029	1837	1161	1896	1422	593	5240	6427	1830	
138	122	65	162	72	423	409	72	23	23
65	57	19	19	19		3344			
7	7	21	550	1077	23	7	7		
25	13	13	14	3	78	8			
38	901	4028	13681	1016	315	180	116	89	
325	40	20	80	55	730	1010	20	25	
13621	5528	12020	25002	76924	4294	13911	51117	6986	3282
3313	2915	1988	1458	1458	1458	1988	3843	3843	2650
87820	86319	80314	60799	37905	45111	60799	97878	99079	97578
1970	1970	812	2049	2049	1891	1891	1812	788	788
198	247	280	330	280	247	198	165	132	115
1618	1198	899	599	599	899	1348	1618	1828	1498
678	949	949	474	474	474	474	474	610	610
2360	2381	2018	1977	1957	1957	1997	1997	1977	1997
50	116	113	79	36	36	36	33	36	36
98007	96095	87373	67765	44758	52073	68731	107820	108293	105272
111628	101623	99393	92767	121682	56367	82642	158937	115279	108554

TABLE 354

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR TILLAMOOK COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	25	.20	246	.10	.01		
2 Alfalfa Hay	4	.03	113	.04	.01	2	13
3 Clover Hay	100	.80	1106	.43	.05		
4 Vetch Hay	7	.06	99	.04	.004		
5 Other Tame Hay	7933	63.27	98369	38.04	4.75		
6 Wild Hay	500	3.99	4200	1.62	.20		
7 Grain Hay	2571	20.50	31880	12.33	1.54		
8 Corn - All	24	.19	663	.26	.03		20
9 Potatoes	175	1.40	9647	3.73	.47	228	460
10 Beans - Dry							
11 Kale	25	.20	1634	.63	.08	137	137
12 Roots for Feed	1000	7.98	58280	22.54	2.82		
13 Flax Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed	15	.12	291	.11	.01		
17 Hops							
18 Apples	97	.77	10171	3.93	.49	307	681
19 Pears	7	.06	662	.26	.03	25	51
20 Prunes	10	.08	1887	.73	.09		33
21 Cherries	2	.02	494	.19	.03		8
22 Peaches							
23 Strawberries	29	.23	20364	7.88	.98		
24 Raspberries	10	.08	16020	6.20	.77	140	190
25 Blackberries	5	.04	2455	.95	.12	20	130
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	12539		258581			859	1723
31 Enterprises							
32							
33 Beef Cattle							
34 Dairy Cattle	14000	32.49	1750000	96.58	84.53	172200	172200
35 Horses & Mules	913	2.12	20388	1.13	.99	913	913
36 Hogs	3180	7.37	9539	.53	.46	445	636
37 Sheep	341	.79	1703	.09	.08	143	184
38 Goats	114	.26	242	.01	.01	16	17
39 Chickens	24425	56.69	29799	1.65	1.44	2418	2418
40 Turkeys	119	.28	238	.01	.01	15	17
41 Total Livestock							
42 and Poultry	43092		1811909			176150	176385
43							
44 Grand Total			2070490			177009	178108
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR TILLAMOOK COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
55				24	123	44			
14	5		40	26	13				
30			470	500			106		
1				76			22		
6346				66637			25386		
				4200					
2057				21596			8227		
20	76	106	57	58		162	164		
460	233	1930	1750	350			3780	228	228
137	98	109	203		100	101	338	137	137
6100	3180	2500	3500	1000		4800	21400	10100	5700
4	8				273	5	1		
830	752	475	776	582	243	2145	2631	749	
54	47	25	63	28	165	159	28	9	8
34	30	10	10	10		1760			
2	2	6	157	308	7	2	2		
38	901	4028	13681	1016	*315	180	116	89	
120	325	210	5155	9710		60	40	30	40
325	40	20	80	55	730	1010	20	25	
16627	5697	9419	25942	106176	1969	10428	62261	11367	6113
163800	161000	149800	113400	70700	84140	113400	182560	184800	182000
2283	2283	940	2374	2374	2191	2191	2100	913	913
763	954	1081	1272	1081	954	763	636	509	445
184	136	102	68	68	102	153	184	208	171
23	32	32	16	16	16	16	16	21	21
2858	2882	2443	2394	2369	2369	2418	2418	2394	2418
18	42	40	29	13	13	13	12	13	13
169929	167329	154438	119553	76621	89785	118954	187926	188858	185981
186556	173026	163857	145495	182797	91754	129382	250187	200225	192094

TABLE 355

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR SOUTHERN OREGON

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	40316	25.19	395905	6.66	3.21		
2 Alfalfa Hay	26526	16.57	770317	12.95	6.25		18569
3 Clover Hay	1600	.10	17696	.30	.14		
4 Vetch Hay	8064	5.04	113702	1.91	.92		
5 Other Tame Hay	11589	7.24	143704	2.42	1.17		
6 Wild Hay	2200	1.37	18480	.31	.15		
7 Grain Hay	33299	20.80	412908	6.94	3.35		
8 Corn - All	7161	4.47	197572	3.32	1.60		5872
9 Potatoes	1019	.64	56543	.95	.46	1325	2679
10 Beans - Dry	65	.04	2168	.04	.02		
11 Kale	50	.03	3269	.06	.03	274	274
12 Roots for Feed	55	.03	3208	.05	.03		
13 Flax - Fiber							
14 Annual Legume Seed	338	.21	4628	.08	.04		
15 Perennial " "	1086	.68	33939	.57	.28		
16 Grass Seed	350	.22	3445	.06	.03		
17 Hops	1018	.64	432852	7.28	3.51	2036	6108
18 Apples	2859	1.79	404723	6.81	3.28	4003	24730
19 Pears	11568	7.23	1514944	25.47	12.29	109317	109317
20 Prunes	9480	5.92	893112	15.02	7.24	51287	87406
21 Cherries	319	.20	136829	2.30	1.11		
22 Peaches	662	.41	56721	.95	.46		5958
23 Strawberries	345	.22	242249	4.07	1.97		
24 Raspberries	40	.03	64080	1.08	.52	560	760
25 Blackberries	50	.03	24550	.41	.20	200	1300
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	160059		5947544			169002	262973
31 Enterprises							
32							
33 Beef Cattle	34828	5.36	801041	12.55	6.50	73138	73138
34 Dairy Cattle	32845	5.06	4105630	64.34	33.30	403994	403994
35 Horses & Mules	9992	1.54	223120	3.50	1.81	9992	9992
36 Hogs	11583	1.78	34746	.55	.28	1622	2316
37 Sheep	121628	18.73	608142	9.53	4.93	51084	65679
38 Goats	36059	5.55	76088	1.19	.62	5049	5408
39 Chickens	349620	53.84	426534	6.68	3.46	34612	34612
40 Turkeys	52876	8.14	105748	1.66	.86	6873	7402
41 Total Livestock							
42 and Poultry	649431		6381049			586364	602541
43							
44 Grand Total			12328593			755366	865514
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR SOUTHERN OREGON

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
89099				38301	198355	70150			
58357	18569		203189	203189	203189	40320	15916	9019	
480			7520	8000			1696		
1613				87091			24998		
9271				97348			37085		
				18480					
26639				279712			106557		
5872	22700	31724	17043	17186		48193	48982		
2679	1345	11240	10190	2425			22010	1325	1325
146	91	117	501	117		438	758		
274	195	217	407		200	201	677	275	275
336	175	138	193	55		264	1177	556	314
27				1268	1606	575	1152		
695	565	1086	2715	5430	12956	10448	44		
				147	1453	1705	70	70	
18629	25043	34917	22803	7635	97219	206450	4072	4886	3054
32393	23015	14295	45744	34308	7148	70503	71361	73220	4003
49742	31234	148764	209381	72878	255653	348197	56683	14461	109317
30999	16684	13936	13936	13936	46453	603876	14599		
1892	957	638	45298	86768	638	638			
8276	4304	4237	4634	1052	25698	2562			
455	10719	47913	162761	12085	3744	2136	1377	1059	
480	1300	840	20620	38840		240	160	120	160
3250	400	200	800	550	7300	10100	200	250	
341604	157296	310262	767735	1026801	861612	1416996	409574	105241	118448
87070	76621	52242	38310	38310	38310	52242	101002	101002	69656
384287	377718	351442	266045	165868	197399	266045	428299	433554	426985
24980	24980	10291	25978	25978	23982	23982	22981	9992	9992
2779	3474	3939	4633	3939	3474	2779	2316	1853	1622
65679	48651	36488	24326	24326	36488	54733	65679	74194	60815
7212	10096	10096	5049	5049	5049	5049	5049	6491	6491
40906	41255	34963	34262	33913	33913	34612	34612	34262	34612
7931	18507	17977	12690	5816	5816	5816	5288	5816	5816
620844	601302	517438	411293	303199	344431	445258	665226	667164	615989
962448	758598	827700	1179028	1330000	1206043	1862254	1074800	772405	734437

TABLE 356

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR DOUGLAS COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	22585	31.09	221785	9.57	4.12		
2 Alfalfa Hay	3984	5.48	115695	4.99	2.15		2789
3 Clover Hay	1200	1.65	13272	.57	.25		
4 Vetch Hay	7514	10.34	105947	4.57	1.97		
5 Other Tame Hay	2800	3.85	34720	1.50	.64		
6 Wild Hay	400	.55	3360	.15	.06		
7 Grain Hay	16927	23.30	209895	9.06	3.89		
8 Corn - All	3678	5.06	101477	4.38	1.88		3016
9 Potatoes	569	.78	31573	1.36	.59	740	1496
10 Beans - Dry	20	.03	667	.03	.01		
11 Kale	50	.07	3269	.14	.06	274	274
12 Roots for Feed	25	.03	1460	.06	.03		
13 Flax - Fiber							
14 Annual Legume Seed	278	.38	3807	.16	.07		
15 Perennial " "	140	.19	4376	.19	.08		
16 Grass Seed	150	.21	1477	.06	.03		
17 Hops	18	.03	7652	.33	.14	36	108
18 Apples	1132	1.56	160248	6.92	2.97	1585	9792
19 Pears	1134	1.56	148507	6.41	2.76	10716	10716
20 Prunes	9412	12.96	886705	38.27	16.45	50919	86779
21 Cherries	160	.22	68629	2.96	1.27		
22 Peaches	233	.32	19964	.86	.37		2097
23 Strawberries	209	.29	146755	6.33	2.72		
24 Raspberries	10	.01	16020	.69	.30	140	190
25 Blackberries	20	.03	9820	.42	.18	80	520
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	72648		2317080			64490	117777
31 Enterprises							
32							
33 Beef Cattle	5192	1.35	119415	3.89	2.22	10903	10903
34 Dairy Cattle	15575	4.04	1946879	63.36	36.12	191573	191573
35 Horses & Mules	4214	1.09	94098	3.06	1.75	4214	4214
36 Hogs	5531	1.44	16591	.54	.31	774	1106
37 Sheep	106557	27.66	532786	17.34	9.89	44754	57541
38 Goats	31876	8.27	67260	2.19	1.25	4463	4785
39 Chickens	175535	45.56	214153	6.97	3.97	17378	17378
40 Turkeys	40795	10.59	81587	2.66	1.51	5303	5711
41 Total Livestock							
42 and Poultry	385275		3072769			279362	293207
43							
44 Grand Total			5389849			343852	410984
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR DOUGLAS COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
49913				21456	111118	39298			
8765	2789		30517	30517	30517	6056	2390	1355	
360			5640	6000			1272		
1503				81151			23293		
2240				23520			8960		
				3360					
13542				142187			54166		
3016	11659	16294	8754	8827		24753	25158		
1496	751	6276	5690	1354			12290	740	740
45	28	36	154	36		135	233		
274	195	217	407		200	201	677	275	275
153	80	63	88	25		120	535	253	143
22				1043	1321	473	948		
90	73	140	350	700	1670	1347	6		
				63	623	731	30	30	
329	443	617	403	135	1719	3650	72	86	54
12826	9113	5660	18112	13584	2830	27915	28255	28991	1585
4876	3062	14583	20525	7144	25061	34133	5557	1418	10716
30777	16565	13836	13836	13836	46119	599544	14494		
949	480	320	22720	43520	320	320			
2913	1515	1491	1631	370	9045	902			
276	6494	29026	98600	7321	2268	1294	834	642	
120	325	210	5155	9710		60	40	30	40
1300	160	80	320	220	2920	4040	80	100	
135785	53732	88849	232902	416079	235731	744972	179290	33920	13553
12980	11422	7788	5711	5711	5711	7788	15057	15057	10384
182228	179113	166653	126158	78654	93606	126158	203098	205590	202475
10535	10535	4340	10956	10956	10114	10114	9692	4214	4214
1327	1659	1881	2212	1881	1659	1327	1106	885	774
57541	42623	31967	21311	21311	31967	47951	57541	65000	53279
6375	8925	8925	4463	4463	4463	4463	4463	5738	5738
20538	20713	17554	17202	17027	17027	17378	17378	17202	17378
6119	14278	13870	9791	4487	4487	4487	4080	4487	4487
297643	289268	252978	197804	144490	169034	219666	312415	318173	298729
433428	343000	341827	430706	560569	404765	964638	491705	352093	312282

TABLE 357

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR JACKSON COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	11490	21.03	112293	5.16	2.83		
2 Alfalfa Hay	19651	28.52	570667	20.70	11.38		13756
3 Clover Hay	300	.44	3318	.12	.07		
4 Vetch Hay	96	.14	1354	.05	.03		
5 Other Tame Hay	6165	8.95	76446	2.77	1.53		
6 Wild Hay	1500	2.18	12600	.46	.25		
7 Grain Hay	11354	16.48	140790	5.11	2.81		
8 Corn - All	2688	3.90	74161	2.69	1.48		2204
9 Potatoes	299	.43	16592	.60	.33	389	786
10 Beans - Dry	45	.07	1501	.05	.03		
11 Kale							
12 Roots for Feed	30	.04	1748	.06	.04		
13 Flax - Fiber							
14 Annual Legume Seed	40	.06	547	.02	.01		
15 Perennial " "	96	.14	3000	.11	.06		
16 Grass Seed	200	.29	1968	.07	.04		
17 Hops	100	.15	42520	1.54	.85	200	600
18 Apples	1519	2.20	215031	7.80	4.29	2127	13139
19 Pears	9747	14.15	1276467	46.31	25.46	92109	92109
20 Prunes	53	.08	4994	.18	.10	287	489
21 Cherries	110	.16	47182	1.71	.94		
22 Peaches	314	.46	26903	.98	.54		2826
23 Strawberries	48	.07	33703	1.22	.67		
24 Raspberries	30	.04	48060	1.74	.96	420	570
25 Blackberries	30	.04	14730	.53	.29	120	780
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	68905		2756575			95652	127259
31 Enterprises							
32							
33 Beef Cattle	25372	15.31	583555	25.85	11.64	53281	53281
34 Dairy Cattle	10874	6.56	1359250	60.20	27.11	133750	133750
35 Horses & Mules	4304	2.60	96108	4.26	1.92	4304	4304
36 Hogs	4277	2.58	12829	.57	.26	599	855
37 Sheep	13178	2.95	65890	2.92	1.31	5535	7116
38 Goats	2483	1.50	5241	.23	.11	348	372
39 Chickens	96900	58.47	118216	5.24	2.36	9593	9593
40 Turkeys	8342	5.03	16685	.74	.33	1084	1168
41 Total Livestock							
42 and Poultry	165730		2257774			208494	210439
43							
44 Grand Total			5014349			304146	337698
45							

SUMMARY FOR JACKSON COUNTY

[illegible]

TABLE 358

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR JOSEPHINE COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	3241	17.51	31827	3.64	1.65		
2 Alfalfa Hay	2891	15.62	83955	9.61	4.36		2024
3 Clover Hay	100	.54	1106	.13	.06		
4 Vetch Hay	454	2.45	6401	.73	.33		
5 Other Tame Hay	2624	14.18	32538	3.72	1.69		
6 Wild Hay	300	1.62	2520	.29	.13		
7 Grain Hay	5018	27.12	62223	7.12	3.23		
8 Corn - All	795	4.30	21934	2.51	1.14		652
9 Potatoes	151	.82	8378	.96	.44	196	397
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed	20	.11	274	.03	.01		
15 Perennial " "	850	4.59	26563	3.04	1.38		
16 Grass Seed							
17 Hops	900	4.86	382680	43.79	19.89	1800	5400
18 Apples	208	1.12	29444	3.37	1.53	291	1799
19 Pears	687	3.71	89970	10.30	4.68	6492	6492
20 Prunes	15	.08	1413	.16	.07	81	138
21 Cherries	49	.27	21018	2.41	.09		
22 Peaches	115	.62	9854	1.13	.51		1035
23 Strawberries	88	.48	61791	7.07	3.21		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	18506		873889			8860	17937
31 Enterprises							
32							
33 Beef Cattle	4264	4.33	98071	9.34	5.10	8954	8954
34 Dairy Cattle	6396	6.50	799501	76.11	41.55	78671	78671
35 Horses & Mules	1474	1.50	32914	3.13	1.71	1474	1474
36 Hogs	1775	1.80	5326	.51	.28	249	355
37 Sheep	1893	1.92	9466	.90	.49	795	1022
38 Goats	1700	1.73	3587	.34	.19	238	255
39 Chickens	77185	78.42	94165	8.96	4.89	7641	7641
40 Turkeys	3739	3.80	7476	.71	.39	486	523
41 Total Livestock							
42 and Poultry	98426		1050506			98508	98895
43							
44 Grand Total			1924395			107368	116832
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR JOSEPHINE COUNTY

[illegible]

TABLE 359

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR COLUMBIA BASIN

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	599220	76.16	3463495	36.60	17.23		
2 Alfalfa Hay	37995	4.83	847288	8.95	4.21		
3 Clover Hay	1230	.16	13604	.14	.07		
4 Vetch Hay	31	.004	437	.01	.002		
5 Other Tame Hay	5245	.67	65037	.69	.32		
6 Wild Hay	3710	.47	31164	.33	.16		
7 Grain Hay	116065	14.75	1439205	15.21	7.16		
8 Corn - All	2572	.33	70961	.75	.35		2109
9 Potatoes	3579	.46	198596	2.10	.99	4652	9413
10 Beans - Dry	205	.03	6835	.07	.04		
11 Kale							
12 Roots for Feed	40	.01	2332	.03	.01		
13 Flax Fiber							
14 Annual Legume Seed	965	.12	20567	.22	.10	97	97
15 Perennial " "	150	.02	2619	.03	.01		
16 Grass Seed	60	.01	543	.01	.003		5
17 Hops	27	.003	11482	.12	.06	54	162
18 Apples	7666	.97	1085201	11.47	5.40	10732	66311
19 Pears	2557	.33	334871	3.54	1.67	24164	24164
20 Prunes	2382	.30	448295	4.74	2.23		3692
21 Cherries	2169	.28	930349	9.83	4.63		
22 Peaches	320	.04	28326	.30	.14		2402
23 Strawberries	535	.07	375662	3.97	1.87		
24 Raspberries	45	.01	72091	.76	.36	630	855
25 Blackberries	31	.004	15221	.16	.08	124	806
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop							
30 and Horticultural	786799		9464181			40453	110016
31 Enterprises							
32							
33 Beef Cattle	52046	4.90	1197067	11.25	5.95	109297	109297
34 Dairy Cattle	42232	3.98	5279007	49.61	26.26	519455	519455
35 Horses & Mules	35759	3.37	798505	7.50	3.97	35759	35759
36 Hogs	24311	2.29	72938	.69	.36	3404	4863
37 Sheep	574965	54.18	2874825	27.02	14.30	241484	310481
38 Goats	1071	.10	2250	.02	.01	149	162
39 Chickens	313431	29.54	382388	3.59	1.90	31030	31030
40 Turkeys	17392	1.64	34785	.33	.17	2261	2436
41 Total Livestock							
42 and Poultry	1061207		10641765			942839	1013483
43							
44 Grand Total			20105946			983292	1123499
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR COLUMBIA BASIN

[illegible]

TABLE 360

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR GILLIAM COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Total	Grand Total	Jan.	Feb.
1 Small Grains	99028	85.43	572382	71.56	34.29		
2 Alfalfa Hay	1077	.93	24017	3.00	1.44		
3 Clover Hay							
4 Vetch Hay							
5 Other Tame Hay	136	.12	1686	.21	.10		
6 Wild Hay							
7 Grain Hay	15451	13.33	191592	23.95	11.48		
8 Corn - All	146	.13	4029	.50	.24		120
9 Potatoes	63	.05	3497	.44	.21	82	166
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seeds							
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	9	.01	1275	.16	.08	13	78
19 Pears	2	.002	262	.03	.02	19	19
20 Prunes	2	.002	376	.05	.02		3
21 Cherries	1	.001	429	.05	.03		
22 Peaches	4	.003	354	.04	.02		30
23 Strawberries							
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crops and							
30 Horticultural	115919		799900			114	416
31 Enterprises							
32							
33 Beef Cattle	7668	6.45	176365	20.29	10.57	16103	16103
34 Dairy Cattle	1353	1.14	169126	19.45	10.13	16642	16642
35 Horses & Mules	3763	3.16	84029	9.77	5.03	3763	3763
36 Hogs	2043	1.72	6130	.71	.37	286	409
37 Sheep	80898	68.02	404490	46.53	24.23	33977	43685
38 Goats	38	.03	80	.01	.01	5	6
39 Chickens	22016	18.51	26864	3.09	1.61	2180	2180
40 Turkeys	1151	.97	2304	.27	.14	150	161
41 Total Livestock							
42 and Poultry	118930		869388			73106	82949
43							
44 Grand Total			1669288			73220	83365
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR GILLIAM COUNTY

[illegible]

TABLE 361

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR HOOD RIVER COUNTY

Enterprise	Acreage	Percent	Est. No. Man-	Percent		Jan.	Feb.
	er No. of Head	Group Total	Hours Spent on Total	Group Total	Grand Total		
1 Small Grains	283	2.08	1635	.10	.08		
2 Alfalfa Hay	2191	16.08	48858	2.97	2.34		
3 Clover Hay	600	4.40	6636	.40	.32		
4 Vetch Hay							
5 Other Tame Hay	256	1.88	3174	.19	.15		
6 Wild Hay							
7 Grain Hay	888	6.52	11011	.67	.53		
8 Corn - All	172	1.26	4745	.29	.23		141
9 Potatoes	588	4.31	32626	1.98	1.56	764	1546
10 Beans - Dry	5	.04	167	.01	.01		
11 Kale							
12 Roots for Feed	20	.15	1166	.07	.06		
13 Flax- Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	5413	39.72	766264	46.51	36.73	7578	46822
19 Pears	2417	17.73	316532	19.21	15.17	22841	22841
20 Prunes	6	.04	1129	.07	.05		9
21 Cherries	342	2.51	146694	8.91	7.03		
22 Peaches	24	.18	2124	.13	.10		180
23 Strawberries	404	2.96	283676	17.22	13.60		
24 Raspberries	10	.07	16020	.97	.77	140	190
25 Blackberries	10	.07	4910	.30	.24	40	260
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	13629		1647367			31363	71989
31 Enterprises							
32							
33 Beef Cattle	153	.38	3520	.80	.17	321	321
34 Dairy Cattle	2899	7.24	362376	82.64	17.37	35658	35658
35 Horses & Mules	880	2.20	19650	4.48	.94	880	880
36 Hogs	1043	2.61	3130	.71	.15	146	209
37 Sheep	1336	3.34	6678	1.52	.32	561	721
38 Goats	112	.28	237	.05	.01	16	17
39 Chickens	30990	77.39	37808	8.62	1.81	3068	3068
40 Turkeys	2629	6.57	5257	1.20	.25	342	368
41 Total Livestock							
42 and Poultry	40042		438656			40992	41242
43							
44 Grand Total			2086023			72355	113231
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR HOOD RIVER COUNTY

[illegible]

TABLE 362

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR MORROW COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	106517	79.55	615669	58.87	23.38		
2 Alfalfa Hay	5909	4.41	131772	12.60	5.00		
3 Clover Hay	430	.32	4756	.46	.18		
4 Vetch Hay							
5 Other Tame Hay	200	.15	2480	.24	.09		
6 Wild Hay	37	.03	311	.03	.01		
7 Grain Hay	19828	14.81	245867	23.51	9.34		
8 Corn - All	600	.45	16554	1.58	.63		492
9 Potatoes	279	.21	15482	1.48	.59	363	734
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed	5	.004	109	.01	.004	1	1
15 Perennial " "	50	.04	873	.08	.03		
16 Grass Seed	10	.01	91	.01	.003		1
17 Hops							
18 Apples	21	.02	2973	.28	.11	29	182
19 Pears	2	.001	263	.03	.01	19	19
20 Prunes	4	.003	753	.07	.03		6
21 Cherries	3	.002	1287	.12	.05		
22 Peaches	2	.001	177	.02	.01		15
23 Strawberries	9	.01	6321	.60	.24		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	133906		1045738			412	1450
31 Enterprises							
32							
33 Beef Cattle	7938	3.94	182575	11.50	6.93	16670	16670
34 Dairy Cattle	4275	2.12	534379	33.66	20.29	52583	52583
35 Horses & Mules	5105	2.54	113996	7.18	4.33	5105	5105
36 Hogs	2315	1.15	6946	.44	.26	324	463
37 Sheep	139121	69.10	695603	43.82	26.42	58431	75125
38 Goats	30	.02	61	.004	.002	4	5
39 Chickens	40073	19.90	48888	3.08	1.86	3967	3967
40 Turkeys	2471	1.23	4943	.31	.19	321	346
41 Total Livestock							
42 and Poultry	201328		1587391			137405	154264
43							
44 Grand Total			2633129			137817	155714
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR MORROW COUNTY

[illegible]

TABLE 363

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR SHERMAN COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	109868	85.39	635038	71.68	37.72		
2 Alfalfa Hay	24	.02	534	.06	.03		
3 Clover Hay							
4 Vetch Hay							
5 Other Tame Hay	10	.01	124	.01	.01		
6 Wild Hay	6	.01	50	.01	.003		
7 Grain Hay	18608	14.46	230739	26.04	13.71		
8 Corn - All	10	.01	275	.03	.02		8
9 Potatoes	84	.07	4661	.53	.28	109	221
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	5	.004	708	.08	.04	7	43
19 Pears	1	.001	129	.02	.01	9	9
20 Prunes	1	.001	190	.02	.01		2
21 Cherries	28	.02	12010	1.36	.71		
22 Peaches	17	.01	1506	.17	.09		128
23 Strawberries							
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	128662		885964			125	411
31 Enterprises							
32							
33 Beef Cattle	3811	6.16	87654	10.99	5.21	8003	8003
34 Dairy Cattle	3811	6.16	476375	59.74	28.30	46875	46875
35 Horses & Mules	4389	7.09	98008	12.29	5.82	4389	4389
36 Hogs	2693	4.35	8080	1.01	.48	377	539
37 Sheep	18322	29.60	91610	11.49	5.44	7695	9894
38 Goats	30	.05	61	.01	.004	4	.5
39 Chickens	28300	45.72	34526	4.33	2.05	2802	2802
40 Turkeys	549	.89	1096	.14	.07	71	77
41 Total Livestock							
42 and Poultry	61905		797410			70216	72584
43							
44 Grand Total			1683374			70341	72995
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR SHERMAN COUNTY

[illegible]

TABLE 364

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR UMATILLA COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Total	Grand Total	Jan.	Feb.
1 Small Grains	218443	77.65	1262601	38.15	17.16		
2 Alfalfa Hay	20762	7.38	462992	13.99	6.29		
3 Clover Hay	200	.07	2212	.07	.03		
4 Vetch Hay	30	.01	423	.01	.01		
5 Other Tame Hay	1000	.36	12400	.38	.17		
6 Wild Hay	2000	.71	16800	.51	.23		
7 Grain Hay	29411	10.46	364696	11.02	4.96		
8 Corn - All	1396	.50	38515	1.16	.52		1145
9 Potatoes	2083	.74	115586	3.49	1.57	2708	5478
10 Beans - Dry	200	.07	6668	.20	.09		
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed	960	.34	20458	.62	.28	96	96
15 Perennial " "	100	.04	1746	.05	.02		
16 Grass Seed	50	.02	452	.01	.01		4
17 Hops	27	.01	11482	.35	.16	54	162
18 Apples	1718	.61	243200	7.35	3.31	2405	14861
19 Pears	42	.02	5501	.17	.08	397	397
20 Prunes	2202	.78	411416	12.52	5.63		3413
21 Cherries	455	.16	195163	5.90	2.65		
22 Peaches	75	.03	6639	.20	.09		563
23 Strawberries	99	.04	69515	2.10	.95		
24 Raspberries	30	.01	48060	1.45	.65	420	570
25 Blackberries	20	.01	9820	.30	.13	80	520
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	281303		3309345			6160	27209
31 Enterprises							
32							
33 Beef Cattle	13459	3.88	309559	7.65	4.21	28264	28264
34 Dairy Cattle	20189	5.81	2523626	62.35	34.30	248325	248325
35 Horses & Mules	12560	3.62	280465	6.93	3.81	12560	12560
36 Hogs	7142	2.06	21426	.53	.29	1000	1428
37 Sheep	144946	41.73	724730	17.91	9.85	60877	78271
38 Goats	130	.04	272	.01	.004	18	20
39 Chickens	141544	40.75	172684	4.27	2.35	14013	14013
40 Turkeys	7398	2.13	14798	.37	.20	962	1036
41 Total Livestock							
42 and Poultry	347368		4047560			366019	383917
43							
44 Grand Total			7356905			372179	411126
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR UMATILLA COUNTY

[illegible]

TABLE 365

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR WASCO COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	59971	65.74	346632	23.33	10.85		
2 Alfalfa Hay	4854	5.32	108244	7.29	3.39		
3 Clover Hay							
4 Vetch Hay	1	.001	14	.001	.00		
5 Other Tame Hay	2061	2.26	25556	1.72	.80		
6 Wild Hay	1000	1.10	8400	.57	.26		
7 Grain Hay	20547	22.52	254783	17.15	7.97		
8 Corn - All	133	.15	3670	.25	.12		109
9 Potatoes	414	.45	22971	1.55	.72	538	1089
10 Beans - Dry							
11 Kale							
12 Roots for Feed	20	.02	1166	.08	.04		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	415	.46	58748	3.95	1.84	581	3590
19 Pears	85	.09	11134	.75	.35	803	803
20 Prunes	161	.18	30302	2.04	.95		250
21 Cherries	1337	1.47	573479	38.60	17.95		
22 Peaches	195	.21	17259	1.16	.54		1463
23 Strawberries	21	.02	14745	.99	.46		
24 Raspberries	5	.01	8011	.54	.25	70	95
25 Blackberries	1	.001	491	.03	.02	4	26
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	91221		1485605			1996	7425
31 Enterprises							
32							
33 Beef Cattle	10099	6.60	232279	13.59	7.27	21208	21208
34 Dairy Cattle	6732	4.40	841499	49.22	26.34	82804	82804
35 Horses & Mules	6489	4.24	144901	8.48	4.54	6489	6489
36 Hogs	7691	5.03	23073	1.35	.72	1077	1538
37 Sheep	83929	54.87	419648	24.55	13.13	35250	45322
38 Goats	529	.35	1115	.07	.04	74	79
39 Chickens	35688	23.33	43538	2.55	1.36	3533	3533
40 Turkeys	1811	1.18	3622	.21	.11	235	254
41 Total Livestock							
42 and Poultry	152968		1709675			150670	161227
43							
44 Grand Total			3195280			152666	168652
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR WASCO COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
38981	40181	11994	13194	63569	125939	16192	17392	9595	9595
10679	7766	4660	4660	25775	25678	25629	485	2912	
				11			3		
1649				17312			6595		
				8400					
16438				172595			65750		
109	422	589	317	319		895	910		
1089	546	4566	4140	985			8942	538	538
122	64	50	70	20		96	428	202	114
4702	3341	2075	6640	4980	1038	10234	10358	10628	581
366	230	1093	1539	536	1879	2559	417	106	803
749	161	242	161	322	81	28336			
7928	4011	2674	189854	363664	2674	2674			
3413	195	2145	1170		7508	1365			
28	652	2916	9907	736	228	130	84	64	
60	163	105	2578	4855		30	20	15	20
65	8	4	16	11	146	202	4	5	
86378	57740	33113	234246	664090	165171	88342	111388	24065	11651
25248	22218	15149	11109	11109	11109	15149	29287	29287	20198
78764	77418	72032	54529	33997	40459	54529	87785	88862	87516
16223	16223	6684	16871	16871	15574	15574	14925	6489	6489
1846	2307	2615	3076	2615	2307	1846	1538	1231	1077
45322	33572	25179	16786	16786	25179	37768	45322	51197	41965
106	148	148	74	74	74	74	74	95	95
4175	4211	3569	3497	3462	3462	3533	3533	3497	3533
272	634	616	435	199	199	199	181	199	199
171956	156731	125992	106377	85113	98363	128672	182645	180857	161072
258334	214471	159105	340623	749203	263534	217014	294033	204922	172723

TABLE 366

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR WHEELER COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	5110	23.06	29538	10.18	1.99		
2 Alfalfa Hay	3178	14.34	70871	24.42	4.78		
3 Clover Hay							
4 Vetch Hay							
5 Other Tame Hay	1582	7.14	19617	6.76	1.32		
6 Wild Hay	667	3.01	5603	1.93	.38		
7 Grain Hay	11332	51.14	140517	48.41	9.48		
8 Corn - All	115	.52	3173	1.09	.21		94
9 Potatoes	68	.31	3773	1.30	.26	88	179
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial Legume Seed							
16 Grass Seed							
17 Hops							
18 Apples	85	.38	12033	4.15	.81	119	735
19 Pears	8	.04	1049	.36	.07	76	76
20 Prunes	6	.03	1129	.39	.08		9
21 Cherries	3	.01	1287	.44	.09		
22 Peaches	3	.01	267	.09	.02		23
23 Strawberries	2	.01	1405	.48	.10		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and Horticultural Enterprises	22159		290262			283	1116
32							
33 Beef Cattle	8918	6.43	205115	17.21	13.84	18728	18728
34 Dairy Cattle	2973	2.14	371626	31.19	25.08	36568	36568
35 Horses & Mules	2573	1.86	57456	4.82	3.88	2573	2573
36 Hogs	1384	1.00	4153	.35	.28	194	277
37 Sheep	106413	76.74	532066	44.65	35.90	44693	57463
38 Goats	202	.15	424	.04	.03	28	30
39 Chickens	14820	10.69	18080	1.52	1.22	1467	1467
40 Turkeys	1383	1.00	2765	.23	.19	180	194
41 Total Livestock and Poultry	138666		1191685			104431	117300
43							
44 Grand Total			1481947			104714	118416
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR WHEELER COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
3322	3424	1022	1124	5417	10731	1380	1482	818	818
6992	5085	3051	3051	16875	16812	16780	318	1907	
1266				13289			5062		
9066				5603					
94	365	509	274	95189			36262		
179	90	750	680	276		774	787		
				162			1469	88	88
963	684	425	1360	1020	213	2096	2122	2177	119
34	22	103	145	50	177	241	39	10	76
28	6	9	6	12	3	1056			
18	9	6	426	816	6	6			
53	3	33	18		116	21			
3	62	278	944	70	22	12	8	6	
22018	9750	6186	8028	138779	28080	22366	47549	5006	1101
22295	19620	13377	9810	9810	9810	13377	25862	25862	17836
34784	34190	31811	24081	15014	17868	24081	38768	39244	38649
6433	6433	2650	6690	6690	6175	6175	5918	2573	2573
332	415	471	554	471	415	332	277	221	194
57463	42565	31924	21283	21283	31924	47886	57463	64912	53207
40	57	57	28	28	28	28	28	36	36
1734	1749	1482	1452	1438	1438	1467	1467	1452	1467
207	484	470	332	152	152	152	138	152	152
123288	105513	82242	64230	54886	67810	93498	129921	134452	114114
145306	115263	88428	72258	193665	95890	115864	177470	139458	115215

TABLE 367

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR EASTERN OREGON

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man-Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	125299	34.94	724230	13.54	3.49		
2 Alfalfa Hay	100499	28.02	2049276	38.32	9.87		
3 Clover Hay	4300	1.20	47558	.89	.23		
4 Vetch Hay	192	.05	2707	.05	.01		
5 Other Tame Hay	43500	12.13	539400	10.09	2.60		
6 Wild Hay	20687	5.77	173772	3.25	.84		
7 Grain Hay	44098	12.30	546816	10.22	2.64		
8 Corn - All	3969	1.11	95597	1.79	.46		1284
9 Potatoes	5096	1.42	282779	5.29	1.36	6625	13403
10 Beans - Dry	775	.22	25839	.48	.13		
11 Kale							
12 Roots for Feed	65	.02	3791	.07	.02		
13 Flax - Fiber							
14 Annual Legume Seed	100	.03	2131	.04	.01	10	10
15 Perennial " "	6650	1.85	150957	2.82	.73		
16 Grass Seed	115	.03	1039	.02	.01		9
17 Hops							
18 Apples	1979	.55	280150	5.24	1.35	2771	17119
19 Pears	102	.03	13357	.25	.06	963	963
20 Prunes	481	.13	82469	1.54	.40		1649
21 Cherries	413	.12	177148	3.31	.85		
22 Peaches	186	.05	16464	.31	.08		1396
23 Strawberries	46	.01	32301	.60	.16		
24 Raspberries	60	.02	96122	1.80	.46	840	1140
25 Blackberries	9	.003	4419	.08	.02	36	234
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	358621		5348322			11245	37207
31 Enterprises							
32							
33 Beef Cattle	146556	13.86	3370793	21.88	16.24	307768	307768
34 Dairy Cattle	65906	6.23	8238253	53.48	39.70	810643	810643
35 Horses & Mules	36345	3.44	811587	5.27	3.91	36345	36345
36 Hogs	37767	3.57	113302	.74	.54	5288	7554
37 Sheep	509052	48.14	2545255	16.52	12.26	213802	274887
38 Goats	535	.05	1129	.01	.01	75	80
39 Chickens	253413	23.97	309167	2.01	1.49	25088	25088
40 Turkeys	7835	.74	15670	.10	.08	1018	1097
41 Total Livestock							
42 and Poultry	1057409		15405156			1400027	1463452
43							
44 Grand Total			20753478			1411272	1500669
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR EASTERN OREGON

[illegible]

TABLE 368

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR BAKER COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	22867	22.76	132172	10.48	2.23		
2 Alfalfa Hay	29349	29.22	447279	35.46	7.54		
3 Clover Hay	1200	1.20	13272	1.05	.22		
4 Vetch Hay	70	.07	987	.08	.02		
5 Other Tame Hay	24500	24.39	303800	24.09	5.12		
6 Wild Hay	12539	12.48	105328	8.35	1.78		
7 Grain Hay	7769	7.73	96336	7.64	1.62		
8 Corn - All	309	.31	8526	.68	.14		253
9 Potatoes	958	.95	53160	4.21	.90	1245	2520
10 Beans - Dry							
11 Kale							
12 Roots for Feed	5	.01	294	.02	.01		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "	400	.40	9080	.72	.15		
16 Grass Seed	50	.05	452	.04	.01		4
17 Hops							
18 Apples	232	.23	32844	2.60	.55	325	2007
19 Pears	14	.01	1832	.15	.03	132	132
20 Prunes	19	.02	3069	.24	.05		67
21 Cherries	26	.03	11152	.88	.19		
22 Peaches	118	.12	10443	.83	.18		885
23 Strawberries	9	.01	6321	.50	.11		
24 Raspberries	15	.02	24031	1.91	.41	210	285
25 Blackberries	2	.002	982	.08	.02	8	52
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	100451		1261360			1920	6205
31 Enterprises							
32							
33 Beef Cattle	43959	19.24	1011059	21.65	17.05	92314	92314
34 Dairy Cattle	23670	10.36	2958751	63.35	49.88	291141	291141
35 Horses & Mules	8969	3.93	200279	4.29	3.38	8969	8969
36 Hogs	7854	3.44	23563	.51	.40	1100	1571
37 Sheep	79068	34.61	395341	8.47	6.67	33209	42697
38 Goats	155	.07	328	.01	.01	22	23
39 Chickens	62358	27.30	76073	1.63	1.28	6173	6173
40 Turkeys	2400	1.05	4800	.10	.08	312	336
41 Total Livestock							
42 and Poultry	228433		4670194			433240	443224
43							
44 Grand Total			5931554			435160	449429
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR BAKER COUNTY

[illegible]

TABLE 369

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR MALHEUR COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	13369	17.70	77273	4.30	1.14		
2 Alfalfa Hay	31623	41.88	999604	55.60	14.70		
3 Clover Hay	2000	2.65	22120	1.23	.33		
4 Vetch Hay	37	.05	522	.03	.01		
5 Other Tame Hay	4000	5.30	49600	2.76	.73		
6 Wild Hay	4844	6.42	40690	2.26	.60		
7 Grain Hay	7494	9.92	92926	5.17	1.37		
8 Corn - All	2402	3.18	52364	2.91	.77		
9 Potatoes	3145	4.17	174516	9.71	2.57	4089	8271
10 Beans - Dry	750	.99	25005	1.39	.37		
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "	5000	6.62	113500	6.31	1.67		
16 Grass Seed							
17 Hops							
18 Apples	584	.77	82672	4.60	1.22	818	5052
19 Pears	5	.01	657	.04	.01	47	47
20 Prunes	176	.23	33211	1.85	.49		581
21 Cherries	7	.01	3003	.17	.04		
22 Peaches	53	.07	4692	.26	.07		398
23 Strawberries	12	.02	8426	.47	.12		
24 Raspberries	10	.01	16020	.89	.24	140	190
25 Blackberries	2	.003	982	.06	.01	8	52
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	75513		1797783			5102	14591
31 Enterprises							
32							
33 Beef Cattle	58473	12.68	1344880	26.88	19.78	122793	122793
34 Dairy Cattle	14618	3.17	1827251	36.52	26.87	179801	179801
35 Horses & Mules	13705	2.97	306034	6.12	4.50	13705	13705
36 Hogs	5883	1.28	17650	.35	.26	824	1177
37 Sheep	279212	60.57	1396058	27.90	20.53	117269	150774
38 Goats	245	.05	516	.01	.01	34	37
39 Chickens	86006	18.66	104932	2.10	1.54	8515	8515
40 Turkeys	2869	.62	5740	.12	.08	373	402
41 Total Livestock							
42 and Poultry	461011		5003061			443314	477204
43							
44 Grand Total			6800844			448416	491795
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR MALHEUR COUNTY

[illegible]

TABLE 370

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR UNION COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	56048	53.01	323959	22.06	7.69		
2 Alfalfa Hay	25896	24.49	394656	26.87	9.37		
3 Clover Hay	100	.10	1106	.08	.03		
4 Vetch Hay	43	.04	606	.04	.01		
5 Other Tame Hay	9000	8.51	111600	7.60	2.65		
6 Wild Hay	2244	2.12	18850	1.28	.45		
7 Grain Hay	7752	7.33	96125	6.54	2.28		
8 Corn - All	417	.451	13160	.90	.31		391
9 Potatoes	763	.72	42340	2.88	1.01	992	2007
10 Beans - Dry	20	.02	667	.05	.02		
11 Kale							
12 Roots for Feed	50	.05	2914	.20	.07		
13 Flax - Fiber							
14 Annual Legume Seed	100	.10	2131	.15	.05	10	10
15 Perennial " "	1250	1.18	28377	1.93	.67		
16 Grass Seed	50	.05	452	.03	.01		4
17 Hops							
18 Apples	1163	1.10	164634	11.21	3.91	1628	10060
19 Pears	72	.07	9428	.64	.22	680	680
20 Prunes	272	.26	43928	2.99	1.04		952
21 Cherries	366	.35	156988	10.69	3.73		
22 Peaches	12	.01	1062	.07	.03		90
23 Strawberries	19	.02	13342	.91	.32		
24 Raspberries	25	.02	40051	2.73	.95	350	475
25 Blackberries	5	.01	2455	.17	.06	20	130
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	105727		1468831			3680	14799
31 Enterprises							
32							
33 Beef Cattle	15238	9.47	350475	12.78	8.32	32000	32000
34 Dairy Cattle	15238	9.47	1904751	69.45	45.23	187427	187427
35 Horses & Mules	6257	3.89	139720	5.10	3.32	6257	6257
36 Hogs	9372	5.83	28115	1.03	.67	1312	1874
37 Sheep	47286	29.40	236428	8.62	5.61	19860	25534
38 Goats	79	.05	166	.01	.004	11	12
39 Chickens	66462	41.32	81085	2.96	1.93	6580	6580
40 Turkeys	910	.57	1819	.07	.04	118	127
41 Total Livestock							
42 and Poultry	160842		2742559			253565	259811
43							
44 Grand Total			4211390			257245	274610
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR UNION COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
36431	37552	11210	12331	59411	117701	15133	16254	8968	8968
29004	12430		15538	106433	142687	83903	4661		
30			470	500			106		
9				464			133		
7200				75600			28800		
				18850					
6202				65117			24806		
391	1512	2113	1135	1145		3210	3263		
2007	1007	8416	7630	1816			16481	992	992
45	28	36	154	36		135	233		
305	159	125	175	50		240	1070	505	285
160	71		100	100	1050	550	40	40	
238	1038	938	10063	8750		7250	100		
4	17	19	19	167	210	4	8		
13177	9362	5815	18608	13956	2908	28660	29028	29784	1628
310	194	926	1303	454	1591	2167	353	90	680
1088	1088	544		544		39712			
2170	1098	732	51972	99552	732	732			
210	12	132	72		462	84			
25	590	2639	8964	666	206	118	76	50	
300	813	525	12888	24275		150	100	75	100
325	40	20	80	55	730	1010	20	25	
99631	67011	34190	141502	477941	268277	183076	125532	40537	12653
38095	33524	22057	16762	16762	16762	22857	44190	44190	30476
178285	175237	163047	123428	76952	91580	123428	198704	201142	198094
15643	15643	6445	16268	16268	15017	15017	14391	6257	6257
2249	2812	3186	3749	3186	2812	2249	1874	1500	1312
25534	18914	14186	9457	9457	14186	21279	25534	26844	23643
16	22	22	11	11	11	11	11	14	14
7776	7843	6646	6513	6447	6447	6580	6580	6513	6580
137	319	309	218	100	100	100	91	100	100
267735	254314	216698	176406	129183	146915	191521	291375	288560	266476
376366	321325	250808	317908	607124	415192	374599	416907	329097	279129

TABLE 371

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR WALLOWA COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	33015	42.92	190826	23.26	5.01		
2 Alfalfa Hay	13631	17.72	207737	25.32	5.45		
3 Clover Hay	1000	1.30	11060	1.35	.29		
4 Vetch Hay	42	.06	592	.07	.02		
5 Other Tame Hay	6000	7.80	74400	9.07	1.95		
6 Wild Hay	1060	1.38	8904	1.09	.23		
7 Grain Hay	21083	27.41	261429	31.87	6.86		
8 Corn - All	781	1.02	21547	2.63	.57		640
9 Potatoes	230	.30	12763	1.55	.34	299	605
10 Beans - Dry	5	.01	167	.02	.004		
11 Kale							
12 Roots for Feed	10	.01	563	.07	.02		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed	15	.02	135	.02	.004		1
17 Hops							
18 Apples							
19 Pears	11	.01	1440	.18	.04	104	104
20 Prunes	14	.02	2261	.26	.06		49
21 Cherries	14	.02	6005	.73	.16		
22 Peaches	3	.004	267	.03	.01		23
23 Strawberries	6	.01	4212	.51	.11		
24 Raspberries	10	.01	16020	1.95	.42	140	190
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	76930		820346			543	1612
31 Enterprises							
32							
33 Beef Cattle	28886	13.95	664379	22.23	17.44	60661	60661
34 Dairy Cattle	12380	5.96	1547500	51.77	40.62	152274	152274
35 Horses & Mules	7414	3.58	165554	5.54	4.35	7414	7414
36 Hogs	14658	7.08	43974	1.47	1.15	2052	2932
37 Sheep	103486	49.96	517428	17.31	13.58	43464	55882
38 Goats	56	.03	119	.004	.003	8	8
39 Chickens	38587	18.63	47077	1.58	1.24	3820	3820
40 Turkeys	1656	.80	3311	.11	.09	215	232
41 Total Livestock							
42 and Poultry	207123		2989342			269908	283223
43							
44 Grand Total			3809690			270451	284635
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR WALLOWA COUNTY

[illegible]

TABLE 372

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR CENTRAL OREGON

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	57489	15.72	332283	6.18	1.62		
2 Alfalfa Hay	47540	13.00	1091645	20.31	5.32		13705
3 Clover Hay	998	.27	11038	.21	.05		
4 Vetch Hay	260	.07	3666	.07	.02		
5 Other Tame Hay	86073	23.53	1067306	19.86	5.21		
6 Wild Hay	61504	16.81	516633	9.61	2.52		
7 Grain Hay	88055	24.07	1091882	20.31	5.33		
8 Corn - All	161	.04	4442	.08	.02		131
9 Potatoes	16216	4.43	899828	16.74	4.39	21081	42649
10 Beans - Dry	4	.001	134	.002	.001		
11 Kale							
12 Roots for Feed	337	.09	19642	.37	.10		
13 Flax - Fiber							
14 Annual Legume Seed	655	.18	13960	.26	.07	66	66
15 Perennial " "	4191	1.15	95138	1.77	.46		
16 Grass Seed	1745	1.38	39160	.73	.19	227	366
17 Hops							
18 Apples	421	.12	59601	1.11	.29	589	3642
19 Pears	23	.01	3007	.06	.02	216	216
20 Prunes	28	.01	4524	.08	.02		100
21 Cherries	14	.004	6006	.11	.03		
22 Peaches	15	.004	1329	.03	.01		113
23 Strawberries	60	.02	42126	.78	.21		
24 Raspberries	45	.01	72093	1.34	.35	630	855
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	365834		5375443			22809	61843
31 Enterprises							
32							
33 Beef Cattle	235932	18.82	5426439	35.87	26.47	495456	495456
34 Dairy Cattle	39889	3.18	4986129	32.96	24.32	490635	490635
35 Horses & Mules	38250	3.05	854126	5.65	4.17	38250	38250
36 Hogs	13238	1.06	39721	.26	.19	1854	2647
37 Sheep	709445	56.60	3547230	23.45	17.30	297966	383101
38 Goats	778	.06	1639	.01	.01	108	117
39 Chickens	204979	16.35	250064	1.65	1.22	20292	20292
40 Turkeys	11011	.88	22017	.15	.11	1433	1542
41 Total Livestock							
42 and Poultry	1253522		15127365			1345994	1432040
43							
44 Grand Total			20502808			1368803	1493883
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR CENTRAL OREGON

[illegible]

TABLE 373

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required To Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR CROOK COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	5387	14.99	31136	5.55	1.29		
2 Alfalfa Hay	5889	16.38	133032	23.72	5.50		2945
3 Clover Hay	150	.42	1659	.30	.07		
4 Vetch Hay	35	.10	494	.09	.02		
5 Other Tame Hay	7000	19.47	86800	15.48	3.59		
6 Wild Hay	1166	3.24	9794	1.75	.41		
7 Grain Hay	13394	37.26	166086	29.61	6.87		
8 Corn - All	9	.03	249	.04	.01		7
9 Potatoes	1846	5.14	102435	18.27	4.24	2400	4855
10 Beans - Dry							
11 Kale							
12 Roots for Feed	2	.01	116	.02	.01		
13 Flax - Fiber							
14 Annual Legume Seed	35	.10	748	.13	.03	4	4
15 Perennial " "	1000	2.78	22700	4.05	.94		
16 Grass Seed	15	.04	338	.06	.01	2	3
17 Hops							
18 Apples	11	.03	1558	.28	.06	15	95
19 Pears	1	.003	129	.02	.01	9	9
20 Prunes	2	.01	323	.06	.01		7
21 Cherries	1	.003	429	.08	.02		
22 Peaches							
23 Strawberries	4	.01	2808	.50	.12		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	35947		560834			2430	7925
31 Enterprises							
32							
33 Beef Cattle	25464	19.95	585671	31.56	24.23	53474	53474
34 Dairy Cattle	6366	4.99	795751	42.88	32.93	78302	78302
35 Horses & Mules	4724	3.70	105487	5.68	4.37	4724	4724
36 Hogs	1179	.92	3539	.19	.15	165	236
37 Sheep	67431	52.82	337155	18.17	13.95	28321	36413
38 Goats	53	.04	111	.01	.01	7	8
39 Chickens	21344	16.72	26039	1.40	1.08	2113	2113
40 Turkeys	1104	.87	2206	.12	.09	144	155
41 Total Livestock							
42 and Poultry	127665		1855959			167250	175425
43							
44 Grand Total			2416793			169680	183350
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR CROOK COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
3502	3609	1077	1185	5710	11313	11454	1562	862	862
5889	7656	6242	6242	33567	33508	33508	530	2945	
45			705	750			159		
7				378			109		
5600				58800			22400		
				9794					
10715				112510			42861		
7	29	40	21	22		61	62		
4855	2437	20361	18460	4393			39874	2400	2400
12	6	5	7	2		10	43	20	11
56	25		35	35	368	193	14	14	
190	830	750	8050	7000		5800	80		
8	10	23	17	201	64	3	3	2	2
125	89	55	176	132	28	271	275	282	15
4	3	13	18	6	22	30	5	1	9
8	8	4		4		292			
6	3	2	142	272	2	2			
5	124	556	1887	140	43	25	16	12	
31034	14829	29128	36945	233716	45348	41649	107993	6538	3299
63660	56021	38196	28010	28010	28010	38196	73846	73846	50928
74482	73209	68116	51565	32148	38260	51565	83013	84031	82758
11810	11810	4866	12282	12282	11338	11338	10865	4724	4724
283	354	401	472	401	354	283	236	189	165
36413	26972	20229	13486	13486	20229	30344	36413	41133	33716
11	15	15	7	7	7	7	7	10	10
2497	2519	2134	2092	2070	2070	2113	2113	2092	2113
166	386	375	265	121	121	121	110	121	121
189322	171286	134332	108179	88525	100389	133967	206603	206146	174535
220356	186115	163460	145124	322241	145737	175616	314596	212684	177834

TABLE 374

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR DESCHUTES COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grain	5905	19.06	34130	5.06	1.71		
2 Alfalfa Hay	10636	34.32	240267	35.63	12.02		5318
3 Clover Hay	23	.07	254	.04	.01		
4 Vetch Hay	208	.67	2933	.44	.15		
5 Other Tame Hay	400	1.29	4960	.74	.25		
6 Wild Hay	249	.80	2092	.31	.11		
7 Grain Hay	6753	21.79	83737	12.42	4.19		
8 Corn - All	25	.08	689	.10	.03		20
9 Potatoes	3377	10.90	187390	27.79	9.37	4390	8882
10 Beans - Dry	4	.01	134	.02	.01		
11 Kale							
12 Roots for Feed	35	.11	2042	.30	.10		
13 Flax - Fiber							
14 Annual Legume Seed	620	2.00	13212	1.96	.66	62	62
15 Perennial " "	2636	8.51	59838	8.87	2.99		
16 Grass Seed							
17 Hops							
18 Apples	71	.23	10050	1.49	.50	99	614
19 Pears	3	.01	392	.06	.02	28	28
20 Prunes	3	.01	485	.07	.02		11
21 Cherries	3	.01	1287	.19	.06		
22 Peaches							
23 Strawberries	32	.10	22469	3.33	1.12		
24 Raspberries	5	.01	8011	1.19	.40	70	95
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	30988		674372			4649	15030
31 Enterprises							
32							
33 Beef Cattle	1960	1.97	45080	3.40	2.25	4116	4116
34 Dairy Cattle	7841	7.89	980125	73.96	49.01	96444	96444
35 Horses & Mules	2944	2.96	65739	4.96	3.29	2944	2944
36 Hogs	2331	2.35	6991	.53	.35	326	466
37 Sheep	32605	32.82	163027	12.30	8.15	13694	17607
38 Goats	100	.10	211	.02	.01	14	15
39 Chickens	50004	50.33	61000	4.60	3.05	4950	4950
40 Turkeys	1566	1.58	3131	.24	.16	204	219
41 Total Livestock							
42 and Poultry	99351		1325304			122692	126761
43							
44 Grand Total			1999676			127341	141791
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR DESCHUTES COUNTY

[illegible]

TABLE 375

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of All Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR GRANT COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	5201	10.30	30061	4.38	.94		
2 Alfalfa Hay	5540	10.97	125149	18.23	3.90		2770
3 Clover Hay							
4 Vetch Hay	4	.01	56	.01	.002		
5 Other Tame Hay	19904	39.41	246810	35.95	7.69		
6 Wild Hay	3000	6.03	25200	3.67	.79		
7 Grain Hay	16291	32.34	202008	29.43	6.29		
8 Corn - All	118	.23	3256	.47	.10		97
9 Potatoes	220	.44	12209	1.78	.38	286	579
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial Legume Seed							
16 Grass Seed	25	.05	560	.08	.02	3	5
17 Hops							
18 Apples	162	.32	22933	3.34	.71	227	1401
19 Pears	9	.02	1179	.17	.04	85	85
20 Prunes	16	.03	2584	.38	.08		56
21 Cherries	6	.01	2574	.38	.08		
22 Peaches	4	.01	354	.05	.01		30
23 Strawberries	5	.01	3510	.51	.11		
24 Raspberries	5	.01	8011	1.17	.25	70	95
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	50510		686454			671	5118
31 Enterprises							
32							
33 Beef Cattle	39141	19.84	900244	35.67	28.04	82196	82196
34 Dairy Cattle	6907	3.50	863375	34.21	26.89	84956	84956
35 Horses & Mules	5763	2.92	128689	5.10	4.01	5763	5763
36 Hogs	1840	.93	5522	.22	.17	258	368
37 Sheep	118870	60.24	594351	23.55	18.51	49925	64190
38 Goats	81	.04	170	.01	.01	11	12
39 Chickens	22637	11.47	27617	1.09	.86	2241	2241
40 Turkeys	2086	1.06	4170	.17	.13	271	292
41 Total Livestock							
42 and Poultry	197325		2524138			225621	240018
43							
44 Grand Total			3210592			226292	245136
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR GRANT COUNTY

[illegible]

TABLE 376

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR HARNEY COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	5504	9.79	31814	4.79	.83		
2 Alfalfa Hay	3399	6.05	76784	11.55	2.00		1700
3 Clover Hay	77	.14	852	.13	.02		
4 Vetch Hay	1	.002	14	.002	.00		
5 Other Tame Hay	30000	53.37	37200	55.97	9.68		
6 Wild Hay	10497	18.67	88175	13.27	2.30		
7 Grain Hay	6606	11.75	81914	12.33	2.13		
8 Corn - All							
9 Potatoes	88	.16	4881	.73	.13	114	231
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "	5	.01	113	.02	.003		
16 Grass Seed							
17 Hops							
18 Apples	27	.05	3823	.58	.10	38	234
19 Pears	1	.002	129	.02	.003	9	9
20 Prunes	1	.002	162	.02	.004		4
21 Cherries	1	.002	429	.07	.01		
22 Peaches							
23 Strawberries	5	.01	3510	.53	.09		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	56212		664600			161	2178
31 Enterprises							
32							
33 Beef Cattle	70173	25.66	1613980	50.79	42.01	147363	147363
34 Dairy Cattle	3693	1.35	461626	14.53	12.01	45424	45424
35 Horses & Mules	9417	3.44	210283	6.62	5.47	9417	9417
36 Hogs	662	.24	1987	.06	.05	93	132
37 Sheep	174079	63.65	870398	27.39	22.65	73113	94003
38 Goats	79	.03	166	.06	.04	11	12
39 Chickens	14700	5.38	17934	.56	.47	1455	1455
40 Turkeys	694	.25	1386	.04	.04	90	97
41 Total Livestock							
42 and Poultry	273497		3177760			276966	297903
43							
44 Grand Total			3842360			277127	300081
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR HARNEY COUNTY

[illegible]

TABLE 377

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major
Operations in Production of all Surveyed Field Crop,
Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR JEFFERSON COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	5062	43.91	29259	22.02	4.20		
2 Alfalfa Hay	1944	16.86	43915	33.04	6.30		972
3 Clover Hay	20	.17	221	.17	.03		
4 Vetch Hay							
5 Other Tame Hay	187	1.62	2319	1.75	.33		
6 Wild Hay							
7 Grain Hay	4267	37.01	52911	39.81	7.59		
8 Corn - All	2	.02	54	.04	.01		1
9 Potatoes	22	.19	1222	.92	.18	29	58
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "							
16 Grass Seed							
17 Hops							
18 Apples	11	.10	1558	1.17	.22	15	95
19 Pears	3	.03	392	.30	.06	28	28
20 Prunes	1	.01	162	.12	.02		4
21 Cherries							
22 Peaches	10	.09	885	.67	.13		75
23 Strawberries							
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	11529		132898			72	1233
31 Enterprises							
32							
33 Beef Cattle	8442	17.83	194165	34.40	27.85	17728	17728
34 Dairy Cattle	1490	3.15	186251	33.00	26.71	18327	18327
35 Horses & Mules	2034	4.30	45419	8.05	6.51	2034	2034
36 Hogs	692	1.46	2076	.37	.30	97	138
37 Sheep	24785	52.35	123927	21.96	17.77	10410	13384
38 Goats	103	.22	216	.04	.03	14	15
39 Chickens	9280	19.60	11322	2.01	1.62	919	919
40 Turkeys	521	1.10	1040	.18	.15	68	73
41 Total Livestock							
42 and Poultry	47347		564416			49597	52618
43							
44 Grand Total			697314			49669	53851
45							

ESTIMATED AGRICULTURAL LABOR REQUIPEMENTS

SUMMARY FOR JEFFERSON COUNTY

Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
3290	3392	1012	1114	5366	10630	1367	1468	810	810
1944 6	2527	2061	2061 94	11081 100	11061	11061	175 21	972	
150				1571			598		
3414 1 58	6 29	9 243	5 220	35843 5 52		13	13654 14 475	29	29
125 13 4	89 8 4	55 39 2	176 54	132 19 2	28 66	271 90 146	275 15	282 4	15 28
175	10	110	60		385	70			
9180	6065	3531	3784	54171	22170	13018	16695	2097	882
21105 17433 5085 166 13384 21 1086 78	18572 17135 5085 208 9914 29 1095 182	12663 15943 2095 235 7436 29 928 177	9286 12069 5288 277 4957 14 909 125	9286 7525 5288 235 4957 14 900 57	9286 8955 4882 208 7436 14 900 57	12663 12069 4882 166 11153 14 919 57	24482 19430 4678 138 13384 14 919 52	24482 19668 2034 111 15119 19 909 57	16884 19370 2034 97 12393 19 919 57
50358	52220	39506	32925	28262	31738	41923	63097	62399	51773
67538	58285	43037	36709	82433	53908	54941	79792	64496	52655

TABLE 378

ESTIMATED AGRICULTURAL LABOR REQUIPEMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR KIAMATH COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent On Total	Percent		Jan.	Feb.
				Group Total	Grand Total		
1 Small Grains	24184	22.22	139782	7.47	2.65		
2 Alfalfa Hay	15604	13.42	366226	19.58	6.94		
3 Clover Hay	700	.64	7742	.41	.15		
4 Vetch Hay	10	.01	141	.01	.003		
5 Other Tame Hay	14388	13.22	178411	9.54	3.38		
6 Wild Hay	13471	12.38	113156	6.05	2.14		
7 Grain Hay	27364	25.14	339314	18.14	6.43		
8 Corn - All	7	.01	194	.01	.004		6
9 Potatoes	10503	9.65	582812	31.16	11.04	13654	27623
10 Beans - Dry							
11 Kale							
12 Roots for Feed	300	.28	17484	.94	.33		
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "	500	.46	11350	.61	.22		
16 Grass Seed	1700	1.56	38148	2.04	.72	221	357
17 Hops							
18 Apples	67	.06	9485	.51	.18	94	580
19 Pears	2	.002	263	.01	.01	19	19
20 Prunes	3	.003	485	.03	.01		11
21 Cherries	1	.001	429	.02	.01		
22 Peaches							
23 Strawberries	13	.01	9127	.49	.17		
24 Raspberries	35	.03	56071	3.00	1.06	490	665
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	108852		1870620			14478	29261
31 Enterprises							
32							
33 Beef Cattle	44663	15.75	1027250	30.13	19.46	93792	93792
34 Dairy Cattle	11166	3.94	1395751	40.94	26.14	137342	137342
35 Horses & Mules	7383	2.60	164863	4.84	3.12	7383	7383
36 Hogs	5179	1.83	15539	.46	.29	725	1036
37 Sheep	142658	50.29	713288	20.92	13.51	59916	77035
38 Goats	272	.10	573	.02	.01	38	41
39 Chickens	67942	23.95	82886	2.43	1.57	6726	6726
40 Turkeys	4397	1.55	8797	.26	.17	572	616
41 Total Livestock							
42 and Poultry	283660		3408947			306494	323971
43							
44 Grand Total			5279567			320972	353232
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR KLAMATH COUNTY

[illegible]

TABLE 379

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

Estimated Number of Man-Hours Required to Perform Major Operations in Production of all Surveyed Field Crop, Horticultural, Livestock, and Poultry Enterprises in 1934

SUMMARY FOR LAKE COUNTY

Enterprise	Acreage or No. of Head	Percent Group Total	Est. No. Man- Hours Spent on Total	Percent Group Total	Grand Total	Jan.	Feb.
1 Small Grains	6246	8.70	36101	4.60	1.18		
2 Alfalfa Hay	4528	6.31	106272	13.53	3.48		
3 Clover Hay	28	.04	310	.04	.01		
4 Vetch Hay	2	.003	28	.004	.001		
5 Other Tame Hay	14194	19.77	176006	22.40	5.76		
6 Wild Hay	33121	46.13	278216	35.41	9.10		
7 Grain Hay	13380	18.64	165912	21.12	5.43		
8 Corn - All							
9 Potatoes	160	.22	8879	1.13	.29	208	421
10 Beans - Dry							
11 Kale							
12 Roots for Feed							
13 Flax - Fiber							
14 Annual Legume Seed							
15 Perennial " "	50	.07	1137	.15	.04		
16 Grass Seed	5	.01	114	.02	.004	1	1
17 Hops							
18 Apples	72	.10	10194	1.30	.33	101	623
19 Pears	4	.01	523	.07	.02	38	38
20 Prunes	2	.003	323	.04	.01		7
21 Cherries	2	.003	858	.11	.03		
22 Peaches	1	.001	90	.01	.003		8
23 Strawberries	1	.001	702	.09	.02		
24 Raspberries							
25 Blackberries							
26 Loganberries							
27 Filberts							
28 Walnuts							
29 Total of Crop and							
30 Horticultural	71796		785665			348	1098
31 Enterprises							
32							
33 Beef Cattle	46089	20.51	1060049	46.68	34.68	96787	96787
34 Dairy Cattle	2426	1.08	303250	13.35	9.92	29840	29840
35 Horses & Mules	5985	2.66	133646	5.89	4.37	5985	5985
36 Hogs	1355	.60	4067	.18	.13	190	271
37 Sheep	149017	66.33	745084	32.81	24.38	62587	80469
38 Goats	90	.04	192	.01	.01	13	14
39 Chickens	19072	8.49	23266	1.03	.76	1888	1888
40 Turkeys	643	.29	1287	.06	.04	84	90
41 Total Livestock							
42 and Poultry	224677		2270841			197374	215344
43							
44 Grand Total			3056506			197722	216442
45							

ESTIMATED AGRICULTURAL LABOR REQUIREMENTS

SUMMARY FOR LAKE COUNTY

[illegible]

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	(1) Wheat	(1) Oats	(1) Barley	(1) Rye	(1) Total Small Grains
I Willamette Valley	120,662	224,353	30,040	2,865	377,920
Benton	8,089	15,380	2,690	92	26,251
Clackamas	11,270	24,165	3,094	408	38,937
Lane	15,792	22,465	2,577	320	41,154
Linn	23,881	51,163	5,797	621	81,462
Marion	18,641	42,430	4,418	901	66,390
Multnomah	610	1,859	297	9	2,775
Polk	14,726	21,728	4,655	168	41,277
Washington	12,900	20,845	3,102	99	36,946
Yamhill	14,753	24,318	3,410	247	42,728
II Coast & Lower Col.	2,409	3,528	1,220	15	7,172
Clatsop	53	344	14	-	411
Columbia	2,202	2,723	956	3	5,884
Coos	106	145	240	-	491
Curry	6	9	6	-	21
Lincoln	42	282	4	12	340
Tillamook	-	25	-	-	25
III Southern Oregon	19,065	15,279	5,806	166	40,316
Douglas	8,405	11,679	2,462	39	22,585
Jackson	8,931	2,606	2,934	19	14,490
Josephine	1,729	994	410	108	3,241
IV Columbia Basin	584,751	2,417	8,786	3,266	599,220
Gilliam	97,869	50	725	384	99,028
Hood River	70	189	24	-	283
Morrow	105,542	38	461	476	106,517
Sherman	108,834	229	681	124	109,868
Umatilla	211,185	1,179	5,280	799	218,443
Wasco	58,218	532	1,064	157	59,971
Wheeler	3,033	200	551	1,326	5,110
V Eastern Oregon	84,303	15,746	18,229	7,021	125,299
Baker	12,605	3,619	4,659	1,984	22,867
Malheur	8,066	2,030	2,615	658	13,369
Union	41,824	6,238	5,496	2,490	56,048
Wallowa	21,808	3,859	5,459	1,889	33,015
VI Central Oregon	23,862	10,418	7,864	15,345	57,489
Crook	2,535	867	740	1,245	5,387
Deschutes	2,178	1,757	1,145	825	5,905
Grant	1,747	753	988	1,713	5,201
Harney	1,153	2,781	575	995	5,504
Jefferson	4,807	53	23	179	5,062
Klamath	8,678	3,826	2,880	8,800	24,184
Lake	2,764	381	1,513	1,588	6,246
Total for State	835,052	271,741	71,945	28,678	1,207,416

(1) County Agricultural Planning Committee Report

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	(1) Alfalfa Hay	(1) Clover Hay	(1) Vetch Hay	(1) Other Tame Hay	(1) Wild Hay
I. Willamette Valley	28,254	51,746	85,703	42,836	6,404
Benton	3,617	2,000	6,800	4,400	150
Clackamas	757	7,759	9,683	2,500	600
Lane	6,358	1,800	11,899	6,500	2,200
Linn	3,961	6,697	11,497	9,000	1,000
Marion	2,846	8,000	14,866	7,200	-
Multnomah	794	1,820	323	3,000	1,500
Polk	2,717	5,670	9,402	3,796	400
Washington	3,699	10,000	7,643	4,440	554
Yamhill	3,505	8,000	13,590	2,000	-
II Coast & Lower Col.	1,410	3,450	4,080	32,291	3,500
Clatsop	-	-	122	4,057	600
Columbia	364	1,200	2,560	5,000	1,300
Coos	952	1,450	1,175	8,700	400
Curry	85	300	180	2,733	-
Lincoln	5	400	36	3,868	700
Tillamook	4	100	7	7,933	500
III Southern Oregon	26,526	1,600	8,064	11,589	2,200
Douglas	3,984	1,200	7,514	2,800	400
Jackson	19,651	300	96	6,165	1,500
Josephine	2,891	100	454	2,624	300
IV Columbia Basin	37,995	1,230	31	5,245	3,710
Gilliam	1,077	-	-	136	-
Hood River	2,191	600	-	256	-
Morrow	5,909	430	-	200	37
Sherman	24	-	-	10	6
Umatilla	20,762	200	30	1,000	2,000
Wasco	4,854	-	1	2,061	1,000
Wheeler	3,178	-	-	1,582	667
V Eastern Oregon	100,499	4,300	192	43,500	20,687
Baker	29,349	1,200	70	24,500	12,539
Malheur	31,623	2,000	37	4,000	4,844
Union	25,896	100	43	9,000	2,244
Wallowa	13,631	1,000	42	6,000	1,060
VI Central Oregon	47,540	998	260	86,073	61,504
Crook	5,889	150	35	7,000	1,166
Deschutes	10,636	23	208	400	249
Grant	5,540	-	4	19,904	3,000
Harney	3,399	77	1	30,000	10,497
Jefferson	1,944	20	-	187	-
Klamath	15,604	700	10	14,388	13,471
Lake	4,528	28	2	14,194	33,121
Total for State	242,224	63,324	98,330	221,534	98,005

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	(1) Grain Hay	(1) Corn, All	(1) Potatoes	(1) Dry Beans	(2) Kale
I Willamette Valley	90,973	37,552	22,857	181	5,095
Benton	5,382	1,174	650	15	95
Clackamas	16,219	5,777	6,442	-	2,000
Lane	19,202	3,501	2,234	25	150
Linn	13,160	4,864	1,532	131	200
Marion	12,425	10,237	2,924	-	-
Multnomah	1,507	1,172	2,958	-	450
Polk	4,445	2,135	954	-	1,000
Washington	11,908	4,876	4,012	-	800
Yamhill	6,725	3,816	1,151	10	400
II Coast & Lower Col.	16,043	2,628	3,432	5	165
Clatsop	913	22	183	-	50
Columbia	2,934	687	1,670	-	-
Coos	4,841	1,529	796	-	15
Curry	1,158	240	172	5	-
Lincoln	3,626	126	436	-	75
Tillamook	2,571	24	175	-	25
III Southern Oregon	33,299	7,161	1,019	65	50
Douglas	16,927	3,678	569	20	50
Jackson	11,354	2,688	299	45	-
Josephine	5,018	795	151	-	-
IV Columbia Basin	116,065	2,572	3,579	205	-
Gilliam	15,451	146	63	-	-
Hood River	888	172	588	5	-
Morrow	19,828	600	279	-	-
Sherman	18,608	10	84	-	-
Umatilla	29,411	1,396	2,083	200	-
Wasco	20,547	133	414	-	-
Wheeler	11,332	115	68	-	-
V Eastern Oregon	44,098	3,969	5,096	775	-
Baker	7,769	309	958	-	-
Malheur	7,494	2,402	3,145	750	-
Union	7,752	477	763	20	-
Wallowa	21,083	781	230	5	-
VI Central Oregon	88,055	161	16,216	4	-
Crook	13,394	9	1,846	-	-
Deschutes	6,753	25	3,377	4	-
Grant	16,291	118	220	-	-
Harney	6,606	-	88	-	-
Jefferson	4,267	2	22	-	-
Klamath	27,364	7	10,503	-	-
Lake	13,380	-	160	-	-
Total for State	388,533	54,043	52,199	1,235	5,310

(1) County Agricultural Planning Committee Report

(2) Estimated

(Continued)

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	Roots(2) for Feed	Fiber Flax	(2) Annual(1) Legume Seeds	Perennial(1) Legume Seeds	(1) Grass Seeds
I Willamette Valley	4,605	1,900	58,542	16,667	24,998
Benton	75	40	8,025	750	990
Clackamas	1,000	600	6,650	505	200
Lane	500	20	8,227	200	2,100
Linn	1,500	200	14,490	4,572	18,618
Marion	-	1,000	3,700	900	1,400
Multnomah	100	-	250	200	-
Polk	100	20	4,000	5,000	1,070
Washington	1,300	-	4,500	3,000	100
Yamhill	30	20	8,700	1,540	520
II Coast & Lower Col.	3,050	-	190	200	1,535
Clatsop	500	-	-	-	1,000
Columbia	500	-	150	200	20
Coos	500	-	-	-	500
Curry	150	-	10	-	-
Lincoln	400	-	30	-	-
Tillamook	1,000	-	-	-	15
III Southern Oregon	55	-	338	1,086	350
Douglas	25	-	278	140	150
Jackson	30	-	40	96	200
Josephine	-	-	20	850	-
IV Columbia Basin	40	-	965	150	60
Gilliam	-	-	-	-	-
Hood River	20	-	-	-	-
Morrow	-	-	5	50	10
Sherman	-	-	-	-	-
Umatilla	-	-	960	100	50
Wasco	20	-	-	-	-
Wheeler	-	-	-	-	-
V Eastern Oregon	65	-	100	6,650	115
Baker	5	-	-	400	50
Malheur	-	-	-	5,000	-
Union	50	-	100	1,250	50
Wallowa	10	-	-	-	15
VI Central Oregon	337	-	655	4,191	1,745
Crook	2	-	35	1,000	15
Deschutes	35	-	620	2,636	-
Grant	-	-	-	-	25
Harney	-	-	-	5	-
Jefferson	-	-	-	-	-
Klamath	300	-	-	500	1,700
Lake	-	-	-	50	5
Total for State	8,152	1,900	60,790	28,944	28,803

(1) County Agricultural Planning Committee Report

(Continued)

(2) Estimated

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	(1) Hops	(3) Apples	(3) Pears	(3) Prunes	(3) Cherries
I Willamette Valley	16,729	8,267	2,867	34,662	5,262
Benton	400	1,026	243	949	162
Clackamas	700	1,494	261	1,595	262
Lane	1,000	939	503	1,946	795
Linn	306	735	98	1,474	188
Marion	8,223	940	513	8,009	1,388
Multnomah	-	431	118	93	159
Polk	4,000	1,070	448	9,887	1,385
Washington	1,500	808	257	2,323	284
Yamhill	600	824	426	8,386	639
II Coast & Lower Col.	-	1,666	154	164	115
Clatsop	-	161	13	14	6
Columbia	-	405	53	51	61
Coos	-	638	50	53	31
Curry	-	128	13	17	8
Lincoln	-	237	18	19	7
Tillamook	-	97	7	10	2
III Southern Oregon	1,018	2,859	11,568	9,480	319
Douglas	18	1,132	1,134	9,412	160
Jackson	100	1,519	9,747	53	110
Josephine	900	208	687	15	49
IV Columbia Basin	27	7,666	2,557	2,382	2,169
Gilliam	-	9	2	2	1
Hood River	-	5,413	2,417	6	342
Morrow	-	21	2	4	3
Sherman	-	5	1	1	28
Umatilla	27	1,718	42	2,202	455
Wasco	-	415	85	161	1,337
Wheeler	-	85	8	6	3
V Eastern Oregon	-	1,979	102	481	413
Baker	-	232	14	19	26
Malheur	-	584	5	176	7
Union	-	1,163	72	272	366
Wallowa	-	-	11	14	14
VI Central Oregon	-	421	23	28	14
Crook	-	11	1	2	1
Deschutes	-	71	3	3	3
Grant	-	162	9	16	6
Harney	-	27	1	1	1
Jefferson	-	11	3	1	-
Klamath	-	67	2	3	1
Lake	-	72	4	2	2
Total for State	17,774	22,858	17,271	47,197	8,292

(1) County Agricultural Planning Committee Report
 (3) U. S. Census

(Continued)

TABLE 380

ACREAGE OF PRINCIPAL CROPS HARVESTED

IN OREGON IN 1934

District & County	(3) Pea- ches	(3) Straw- berries	(2) Rasp- berries	(2) Black- berries	(2) Logan- berries	(2) Filberts	(2) Walnuts
I Willamette Valley	1,696	9,261	4,170	935	1,920	5,230	14,425
Benton	89	176	30	10	40	130	200
Clackamas	149	1,483	500	75	300	750	1,000
Lane	151	442	40	15	30	500	650
Linn	125	1,237	300	75	20	500	700
Marion	270	2,685	350	400	1,100	1,500	3,000
Multnomah	95	530	1,500	150	150	150	75
Polk	95	335	75	60	100	150	800
Washington	256	2,008	375	50	100	900	3,000
Yamhill	466	365	1,000	100	80	650	5,000
II Coast & Lower Col.	22	386	55	164			
Clatsop	-	14	10	150			
Columbia	4	196	25	-			
Coos	13	102	10	4			
Curry	3	16	-	-			
Lincoln	2	29	-	5			
Tillamook	-	29	10	5			
III Southern Oregon	662	345	40	50			
Douglas	233	209	10	20			
Jackson	314	48	30	30			
Josephine	115	88	-	-			
IV Columbia Basin	320	535	45	31			
Gilliam	4	-	-	-			
Hood River	24	404	10	10			
Morrow	2	9	-	-			
Sherman	17	-	-	-			
Umatilla	75	99	30	20			
Wasco	195	21	5	1			
Wheeler	3	2	-	-			
V Eastern Oregon	186	46	60	9			
Baker	118	9	15	2			
Malheur	53	12	10	2			
Union	12	19	25	5			
Wallowa	3	6	10	-			
VI Central Oregon	15	60	45	-			
Crook	-	4	-	-			
Deschutes	-	32	5	-			
Grant	4	5	5	-			
Harney	-	5	-	-			
Jefferson	10	-	-	-			
Klamath	-	13	35	-			
Lake	1	1	-	-			
Total for State	2,901	10,633	4,415	1,189	1,920	5,230	14,425

(2) Estimated

(3) U. S. Census

TABLE 381

NUMBERS OF LIVESTOCK AND POULTRY COVERED

IN LABOR SURVEY ON FARMS JANUARY 1, 1935

District & County	(1) Beef Cattle	(1) Dairy Cattle	(2) Sheep	(2) Goats
I Willamette Valley	26,012	171,313	253,645	76,024
Benton	3,466	10,399	32,631	8,953
Clackamas	1,225	23,278	17,653	6,161
Lane	7,800	23,399	39,244	18,854
Linn	4,596	26,046	67,786	11,205
Marion	2,960	26,636	37,439	8,926
Multnomah	502	9,530	2,280	423
Polk	1,392	12,530	26,254	10,473
Washington	1,232	23,410	6,408	2,162
Yamhill	2,839	16,085	23,950	8,867
II Coast & Lower Col.	10,221	67,358	39,163	9,564
Clatsop	755	6,693	109	224
Columbia	1,319	11,872	2,216	1,208
Coos	5,258	21,032	16,021	1,984
Curry	1,564	6,255	17,480	2,645
Lincoln	1,325	7,506	2,996	3,389
Tillamook		14,000	341	114
III Southern Oregon	34,828	32,845	121,628	36,059
Douglas	5,192	15,575	106,557	31,876
Jackson	25,372	10,874	13,178	2,483
Josephine	4,264	6,396	1,893	1,700
IV Columbia Basin	52,046	42,232	574,965	1,071
Gilliam	7,668	1,353	80,898	38
Hood River	153	2,899	1,336	112
Morrow	7,938	4,275	139,121	30
Sherman	3,811	3,811	18,322	30
Umatilla	13,459	20,189	144,946	130
Wasco	10,099	6,732	83,929	529
Wheeler	8,918	2,973	106,413	202
V Eastern Oregon	146,556	65,906	509,052	535
Baker	43,959	23,670	79,068	155
Malheur	58,473	14,618	279,212	245
Union	15,238	15,238	47,286	79
Wallowa	28,886	12,380	103,486	56
VI Central Oregon	235,932	39,889	709,445	778
Crook	25,464	6,366	67,431	53
Deschutes	1,960	7,841	32,605	100
Grant	39,141	6,907	118,870	81
Harney	70,173	3,693	174,079	79
Jefferson	8,442	1,490	24,785	103
Klamath	44,663	11,166	142,658	272
Lake	46,089	2,426	149,017	90
Total for State	505,595	419,543	2,207,898	124,031

(1) Estimated

(2) 1935 U. S. Census of Agriculture

TABLE 381

NUMBERS OF LIVESTOCK AND POULTRY COVERED

IN LABOR SURVEY ON FARMS JANUARY 1, 1935

District & County	(2) Horses & Mules	(2) Hogs	(1) Turkeys	(2) Chickens
I Willamette Valley	44,217	70,083	85,482	1,815,626
Benton	2,610	3,803	6,108	73,026
Clackamas	6,869	10,310	8,427	385,975
Lane	5,435	7,493	11,918	306,858
Linn	7,191	11,871	17,916	210,219
Marion	7,577	15,219	14,836	232,830
Multnomah	1,839	2,334	1,122	120,640
Polk	3,271	5,038	6,369	85,731
Washington	5,217	7,171	5,467	258,604
Yamhill	4,208	6,844	13,319	141,743
II Coast & Lower Col.	6,508	11,598	3,700	230,671
Clatsop	601	647	148	64,110
Columbia	1,650	2,050	936	72,917
Coos	1,914	3,191	1,596	41,388
Curry	642	1,706	570	7,656
Lincoln	788	824	331	20,175
Tillamook	913	3,180	119	24,425
III Southern Oregon	9,992	11,583	52,876	349,620
Douglas	4,214	5,531	40,795	175,535
Jackson	4,304	4,277	8,342	96,900
Josephine	1,474	1,775	3,739	77,185
IV Columbia Basin	35,759	24,311	17,392	313,431
Gilliam	3,763	2,043	1,151	22,016
Hood River	880	1,043	2,629	30,990
Morrow	5,105	2,315	2,471	40,073
Sherman	4,389	2,693	549	28,300
Umatilla	12,560	7,142	7,398	141,544
Wasco	6,489	7,691	1,811	35,688
Wheeler	2,573	1,384	1,383	14,820
V Eastern Oregon	36,345	37,767	7,835	253,413
Baker	8,969	7,854	2,400	62,358
Malheur	13,705	5,883	2,869	86,006
Union	6,257	9,372	910	66,462
Wallowa	7,414	14,658	1,656	38,587
VI Central Oregon	38,250	13,238	11,011	204,979
Crook	4,724	1,179	1,104	21,344
Deschutes	2,944	2,331	1,566	50,004
Grant	5,763	1,840	2,086	22,637
Harney	9,417	662	694	14,700
Jefferson	2,034	692	521	9,280
Klamath	7,383	5,179	4,397	67,942
Lake	5,985	1,355	643	19,072
Total for State	171,071	168,580	178,296	3,167,740

(1) Estimated

(2) 1935 U. S. Census of Agriculture

(Continued)

TABLE 382

PERCENT OF TOTAL ACREAGE COVERED BY
AGRICULTURAL EMPLOYMENT SURVEY

District & County	Acres Included in Survey	Harvested Crop Average 1934	Percent (1) Covered by Survey
I Willamette Valley	961,657	1,038,965	93
Benton	63,869	66,050	97
Clackamas	108,198	118,160	92
Lane	113,081	122,989	92
Linn	178,642	191,233	93
Marion	160,266	173,780	92
Multnomah	20,300	31,472	65
Polk	100,391	104,827	96
Washington	105,639	112,131	94
Yamhill	111,271	118,323	94
II Coast & Lower Col	81,877	87,474	94
Clatsop	8,226	8,648	95
Columbia	23,264	26,439	88
Coos	22,250	23,327	95
Curry	5,239	5,654	93
Lincoln	10,359	10,767	96
Tillamook	12,539	12,639	99
III Southern Oregon	160,059	175,108	91
Douglas	72,648	81,113	90
Jackson	68,905	73,641	94
Josephine	18,506	20,354	91
IV Columbia Basin	786,799	799,880	98
Gilliam	115,919	116,220	99.7
Hood River	13,629	17,291	79
Morrow	133,906	134,449	99.59
Sherman	128,662	128,743	99.9
Umatilla	281,303	284,789	99
Wasco	91,221	96,145	95
Wheeler	22,159	22,243	99.6
V Eastern Oregon	358,621	362,624	99
Baker	100,451	100,987	99
Malheur	75,513	77,470	97
Union	105,727	106,945	99
Wallowa	76,930	77,222	99.6
VI Central Oregon	365,834	367,691	99
Crook	35,947	35,958	99.96
Deschutes	30,988	31,274	99
Grant	50,510	50,868	99
Harney	56,212	56,836	99
Jefferson	11,529	11,575	99.6
Klamath	108,852	109,244	99.6
Lake	71,796	71,936	99.8
Total for State	2,714,847	2,831,742	96

(1) Percent acres included in survey is of 1934 harvested crop acreage.

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APPENDIX

Sample schedules showing labor requirements per unit of production prepared by Alvin W. Wheeler and submitted in thesis entitled "Man Labor Requirements and Seasonal Distribution in Certain Agricultural Enterprises in Oregon".

HOPS ENTERPRISE

Applied to
Willamette Valley and
Southern Oregon Counties

Schedule Showing
Average Labor Requirement of an Acre of Hops
Based on Operations Normally Performed

Operation	Estimated Ave. No. M-H Spent per A.	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Trellis & Stand Maintenance	20.0		4.0	9.1	6.9								
Fertilizing	2.1			0.3							1.0	0.8	
Tillage (1)	11.0			2.0	3.7	2.0	2.0	1.3					
Irrigation	3.0					1.0	1.0	1.0					
Training (2)	57.7			4.9	12.0	29.3	11.5						
Disease Control (3)	7.5						5.1	2.4					
Harvesting (4)	278.1								87.5	186.6	1.0	2.0	1.0
Drying and Baling	18.2								5.2	13.0			
Cover Cropping	0.4									0.4			
Supervision & Misc.	27.2	2.0	2.0	2.0	2.0	2.0	2.8	2.8	2.8	2.8	2.0	2.0	2.0
Total Hours all Operations	425.2	2.0	6.0	18.3	24.6	34.3	22.4	7.5	95.5	202.8	4.0	4.8	3.0

(1) Plow and Cultivate

(2) Stake and string, train on string and wire, stripping and suckering

(3) Cutting spike, spraying

(4) Picking crew, yard crew, clean-up crew

Reference: Ore, Exp. Sta. Hop Study Progress Report

SMALL GRAIN ENTERPRISE
 (Wheat, Oats, Barley &
 Rye both spring & winter)

Applied to:
 Willamette Valley,
 Southern Oregon, Coast
 and Lower Columbia
 Counties

Schedule Showing
 Average Labor Requirement of an Acre of Small Grains
 Based on Operations Normally Performed

Operation	Estimated Ave. No. M-H Spent per A.	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
(1) Soil Preparation	3.1			2.21						.89			
(2) Harvesting & Marketing	6.72							0.95	4.92	.85			
Total Hours All Operations	9.82			2.21				0.95	4.92	1.74			

(1) Plow, harrow, drill - Ref. Adams Fr. Mgt. Crop Manual, U.S.B.A.E. Washburn & Merrick 1936.

(2) Combine, or bind, shock, thresh, haul - Ref. Idaho Exp. Sta. Bull. 173 & 195; U.S.D.A. Dept. Bull. 1421

Applied to:
Columbia Basin
Eastern Oregon and
Central Oregon
Counties

DRYLAND WHEAT ENTERPRISE

Schedule Showing
Average Labor Requirement of an Acre of Dryland Wheat
Based on Operations Normally Performed

Operation	Estimated Ave. No. M-H Spent per A.	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
(1)													
Soil Preparation	1.01			.50	.19	.10	.12	.10					
(2)													
Seeding	.51				.38						.13		
(3)													
Harvesting	3.51							.86	2.0	.17	.16	.16	.16
Miscellaneous	.75			.15	.10	.10	.10	.10	.10	.10			
Total Hours all Operations	5.78			.65	.67	.20	.22	1.06	2.10	.27	.29	.16	.16

(1) Plowing-Weeding

(2) 76% Winter Seeding, 24% Spring Seeding

(3) Harvesting-Market-Hauling

Source: Ore. Exp. Sta. Wheat Study, Progress Report 1937

Applied to:
Hood River County &
Southern Oregon
Counties

PEAR ENTERPRISE

Schedule Showing
Average Labor Requirement of an Acre of Pears
Based on Operations Normally Performed

Operation	Estimated Ave. No. M-H Spent per A.	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prune & Brush Disposal	24.6	8.2	8.2										8.2
Tillage(1)	3.16			1.0	1.0	0.06				0.7	0.4		
Injury Control(2)	26.3			2.6	1.3	11.3	6.6	3.0	1.5				
Culture (3)	7.1			0.7	0.4	1.0	2.0	2.0	0.5	0.5			
Harvest (4)	63.8	1.25	1.25				9.0	0.8	18.1	26.9	4.0	1.25	1.25
Miscellaneous	6.0					0.5	0.5	0.5	2.0	2.0	0.5		
Total Hours All Operations	130.96	9.45	9.45	4.3	2.7	12.86	18.1	6.3	22.1	30.1	4.9	1.25	9.45

- (1) Cultivate-Cover Crop
- (2) Spray-Cut Blight-Heat
- (3) Fertilize-Clean Ditch-Irrigate
- (4) Thin-Pick-Haul-Pack-Market

Reference: Ore. Sta. Bull. 267 and Estimate

Applied to:
All Counties

DAIRY ENTERPRISE

Schedule Showing
Average Labor Requirement of One Dairy Animal
Based on Operations Normally Performed

Operation	Estimated Ave. No. M-H Spent per Head	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All (Not Itemized)	*125.0	12.3	12.3	11.7	11.5	10.7	8.1	5.05	6.01	8.1	13.04	13.2	13.0
Total Hours all Operations	125.0	12.3	12.3	11.7	11.5	10.7	8.1	5.05	6.01	8.1	13.04	13.2	13.0

* Weighted average for all Dairy Cattle

SHEEP ENTERPRISE

Schedule Showing
Average Labor Requirement of One Sheep
Based on Operations Normally Performed

Operation	Estimated Ave. No. M H Spent per Head	Yearly Distribution of Man Labor by Hours											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All (Not Itemized)	5.0	0.42	0.54	0.54	0.4	0.3	0.2	0.2	0.3	0.45	0.54	0.61	0.5
Total Hours all Operations	5.0	0.42	0.54	0.54	0.4	0.3	0.2	0.2	0.3	0.45	0.54	0.61	0.5

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Ore. Sta. Cir. 62
Ref. Ariz. Exp. Sta. Bull. 134
Wyoming Sta. Bull. 156

O. M. Nelson/read at 35th Wool Growers' Ass'n. 1932
Minn. Bull. 301
Ore. Bul. 219, also U. S. D. A. F. B. 1139