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Corvallis

Circular of Information No. 56

June, 1931.

Report on Fertilizer Inspection and Analyses for 1931

Ву

J. S. Jones and C. F. Whitaker Department of Agricultural Chemistry

		Address	Guaranteed and Found								
Name or Brand	Manufacturer		Guar. & Found		Nit	rogen (N)	Phosphoric Acid (P ₂ O ₅)			Pot- ash (K ₂ 0)
				Total	In Ammonia form	In Nitrate form	In Organic form	Total	Available	Insoluble	Water Soluble
"Pep" Brand "O"	Marine Products Co.	Seattle, Wn.	Guar. Found	6.0 5.2	0.5	3.0	2.5	10.0		4.0 9.5	4.0
#"Pep" Brand "E"	Marine Products Co.	Seattle, Wh.	Guar. Found	3.0 2.9	0.3	1.5	1.2 1.4	8.0		8.4	6.0 6.4
∯"Pep" Brand "U"	Marine Products Co.	Seattle, Wh.	Guar. Found	2.4	-	2.3	- 0.1	10.5	2.5	8.0	3.2
#"Pep" Brend "I"	Marine Products Co.	Seattle, Wn.	Guar. Found	1.0	-	 	1.0	10.0		3.9	10.0
∯Magnolia 3-10-10	Magnolia Fertilizer Co	Seattle, Wn.	Guar. Found	3.0 3.3	1.1	1.2	- 1.0	10.0		2.0	10.0
*Magnolia 5-8-8	Magnolia Fertilizer Co.	Seattle, Wn.	Guar. Found	5.0 4.1	2.0	1.0	2.0	8.0 13.0	5. 0	2.0 3.3	8.0 8.3
*Magnolia 6-10-6	Magnolia Fertilizer Co.	Seattle, Wn.	Guar. Found	6.0 6.3	2.0 4.0	2.0	2.0	10.0	1	2.0 4.8	6.0 5.5
*Magnolia 3-10-7	Magnolia Fertilizer Co.	Scattle, Wn.	Guar. Found	3.0 3.7	1.0	1.0 1.6	1.0	10.0		2.0 2.5	7.0 8.0
Morcrop Plus Not registered		Seattle, Wn.	Guar. Found	1.0 1.5	-	_	1.0 1.5	10.0		4.0 7.5	15.0 15.2

[#] Not registered for 1931
* Incorrectly labeled since total phosphoric acid is indicated instead of available.

ANALISIS OF PERCEPTER	22.00										
Morerop M	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	3.0 3.0	2.0 2.6		1.0	10.5 10.7	10.0 7.7		10.0
Morcrop K	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	3.0 3.5	2.0 2.7	- ugy 444 dga 244	1.0	10.5	10.0 8.4		7.0 6.8
Morerop B	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	2.0	1.0		1.0	10.5	10.0	, ,	2.0
Morerop, L	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	5.0 5.1	3.0 4.1		2.0	6.5 6.5		0.5 2.0	8.0 8.7
Morerop Ruby	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	1.0	0.5		0.5	10.5 10.4	10.0	0.5	10.0 10.3
Morerop Lawn	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	6.0	5.0 5.3	dago mali.	1.0	1.5	3	0.5	1.0 1.8
Mororop Garden	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	5.0	1.3 2.6	0.2	3.0	10.0		3.0 5.2	5.0 5.7
Gill's Garden Grow	Gill Bro's. Seed Co.	Portland, Ore.	Guar. Found	3.3				10.0 15.6	1	5.0 5.8	6.0 5.1
Q. A. Marvel	Routledge Seed & Floral Company	Portland, Oro.	Guar. Found	6.0 6.1	6.0 5.9			9.0		1.0	5.0 6.3
Gresham 3-10-7	Gresham Berry Growers	Gresham, Ore.	Guar. Found	3.0	1.9	D-0 CE-	1.1	10.5	10.0	•	7.0 6.6
Gresham 3-10-10	Gresham Berry Growers	Gresham, Ore.	Guar. Found	3.0 2.6		din pai	0.7	14.0	10.0	1.6	10.0
Loma	Tennessee Corp.		Guar. Found		3.0 4.1	0.7	1.3	10.6		0.6	8.0
Red Steer 5-7-8	Swift & Company	Portland, Orc.	Guar. Found		3.3 3.6	1.0	0.7	8.0 8.6		1.0	8.0

Not registered for 1931

Red Steer 2-14-4	Swift & Company	Portland, Ore.	Guar. Found	2.0 1.3 2.0 1.4	0.4	0.3	14.4 15.8	14.0 12.5	0.4	4.0
Red Steer 4-7-6	Swift & Company	Portland, Ore.	Guar. Found	4.0 2.6 4.0 2.8	0.8	0.6 0.4	7.7 8.9	7.0 6.4	0.7	6.0 4.4
Red Steer 3-10-10	Swift & Company	Portland, Ore.	Guar. Found	3.0 2.0 2.2	0.6	0.4 0.4	10.6 11.3	10.0	0.6	10.0
Red Steer 2.5-10.20	Swift & Company	Portland, Ore.	Guar. Found	2.5 1.5 2.4 1.5	0.6	0.4	11.5 11.7	10.0 7.3	0.5 4.4	20.0 18.8
Red Steer 3-10-7	Swift & Company	Portland, Ore.	Guar. Found	3.0 2.0 2.9 1.8	0.6	0.4	10.6	10.0	0.6	7.0 8.1
Vigoro	Swift & Company	Portland, Ore.	Guar. Found	4.0 3.9 4.2 3.9	0.1 0.3	 	12.1 14.5	12.0 14.3	0.1	4.0
Hood River 6-10-4	Hood River Apple Growers Association		Guar. Found	6.0 6.6 5.5	6-07 AND	1.1	10.0 16.3	10.0	5.0	4.0 5.0
Amao-Phos-Ko #1	American Cyanamid Sales	Azusa, Cal.	Guar. Found	12.0 11.5 11.8 11.3	en sur		24.0 29.8	24.0 29.4	0.4	12.0
Ammo-Phos B	American Cyanamid Sales	Azusa, Cal.	Guar. Found	16.5 16.0 16.2 15.7	ment diggs		20.0 24.9	20.0	0.8	
Sheep Manure	Swift & Company	Portland, Ore.	Guar. Found	1.6	0% qua 500 mar	1.6 4.2	0.7 4.0			2.0
Groz-it Sheep Manure	Pac.Manure & Fert. Co.	San Francisco, California	Guar. Found	1.5	49 49	1.5 1.2	0.75		Party deleter value	2.5
H. Q. Sheep Manure	Routledge Seed & Floral Company	Portland, Ore.	Guar. Found	1.5	1000 000 °	1.5	0.75 1.5			2.5
Sheep Manure	Gresham Berry Growers	Gresham, Ore.	Guar. Found	1.0	cas	1.0 1.5	1.0		ingen manyananyan	1.0

											
Sheep Manure	Gill Bro's. Seed Co.	Portland, Ore.	Guar. Found	1.6				1.5			2.0
Sheep Manure	Chars. H. Lilly Co.	Seattle, Wn.	Guar. Found	1.2			1.2	1.0 1.3			1.0
Fish	Gill Bro's. Seed Co.	Portland, Ore.	Guar. Found	8,2	***		8.2 9.9		3.0 3.9	3.0 2.4	
Fish	Swift & Company	Portland, Ore.	Guar. Found	7,0 8.8	Ford Miles	An- em		18.0 11.1	9.0 5.3	9.0 5.8	
# Fish	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	8.1			8.1	10.9	 6.1	4.8	
#1 Tankage	Swift & Company	Portland, Ore.	Guar. Found	5.0 5.1				14.0 14.0	12.0 5.9	2.0 8.1	
#5 Tankage	Swift & Company	Portland, Ore.	Guar. Found	4.0 4.0		an- 1844 ser 844		13.5 13.3	8.0 4.8	5.5 8.5	
# Tankage	Marine Products Co.	Seattle, Wn.	Guar. Found	6.0		000 sta		10.0 17.0	5.2	 11.8	
##2 Tankage	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	4.0		*** ***		10.0 16.8	7 . 5	9.3	
Blood Meal	Swift & Company	Portland, Cre.	Guar. Found	13.0 13.0		ana ban Ana dan	13.0 13.0				
# Bone Meal	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found	1.3			1.3	35.2	12.0	23.2	,
Bone Meal	Balfour, Guthrie & Co.	Portland, Ore.	Guar. Found	0.9			0.9	33.1	10.7	22.4	
Bone Meal	Mailliard & Schmeidell	Portland, Ore.	Guar. Found	1.0				31.0 35.7	15.0	16.0 25.5	

[#] Not registered for 1931

ANALYSIS	OF	FERTILIZERS	FCR	1931	-	Cont.

Bone Meal	Marine Products Co.	Seattle, Wn.	Guar. Found	1.0			1.0	26.0 36.0		16.0 26.7
Bone Meal	Swift & Co.	Portland, Ore.	Guar. Found	2.0 1.8	449 448 440 740		2.0 1.8	28.0 29.7	14.0 6.9	14.0 22.8
Bone Meal	Swift & Co.	Portland, Ore.	Guar. Found	2.0 4.8	, , , , , , , , , , , , , , , , , , ,	, 	2.0 4.8	28.0 23.3	14.0	14.0
Bone Meal	Magnolia Fertilizer Co.	Seattle, Wn.	Guar. Found	2.0 3.6	gada 45-1 gada 4-16	qu- 040	2.0 3.6	25.0 24.1	10.0 4.1	15.0 20.0
Superphosphate	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found					18.5 18.3	18.0 16.9	0.5 1.4
Superphosphate	Swift & Co.	Portland, Ore.	Guar. Found					18.5 21.4	18.0 20.9	0.5 0.5
Superphosphate	H. J. Stohl	Portland, Ore.	Guar. Found			·		18.5	16.2 17.6	0.9
Superphosphate	Balfour, Guthrie & Co.	Portland, Ore.	Guar. Found					18.6	16.0 17.5	1.1
Superphosphate	Mountain Copper Co.	San Francisco, California	Guar. Found					18.0 19.4	17.5 18.4	0.5
Treble Super	Mountain Copper Co.	San Francisco, California	Guar. Found			6 Action of the Control of the Contr		50.0 48.6	45.0 45.1	5.0 3.5
Ammonium Sulfate	Barrett Co.	New York, N.Y.	Guar. Found		20.0	, and the	and the		** Company agreement	
Ammonium Sulfate	Magnolia Fertilizer Co.	Seattle, Wn.	Guar. Found		20.0					
Ammonium Sulfate	Balfour, Guthrie & Co.	Portland, Ore.	Guar. Found		19.0		and 100	,		

ANALYSIS OF FERTILIZERS FOR 1931 - Cont.

Ammonium Sulfate	Ford Motor Co.	Detroit Mich.	Guar. Found	20.8		600 ABA 600 400		·
Nitrate of Soda	Balfour, Guthrie & Co.	Portland, Ore.	Guar. Found	14.0 15.9		14.0 15.9	page 4000	
Nitrate of Soda	Swift & Co.	Portland, Ore.	Guar. Found	15.0 16.0	1 1	15.0 16.0	gad dag	
Nitrate of Soda	The Barrett Co.	New York, N. Y.	Guar. Found	16.0 16.1	1 .	16.0 16.1		
Muriate of Potash	Swift & Co.	Portland, Cre.	Guar. Found		And the state of t		Andelson of the same factor in the same	50.0 49.6
Muriate of Potash	Chas. H. Lilly Co.	Seattle, Wn.	Guar. Found					50.0 48.0
Sulfate of Potash	Swift & Co.	Portland, Ore.	Guar. Found					51.0 49.2
Muriate of Potash	Balfour, Guthrie & Co.	Portland, Ore.	Guar. Found					50.0 48.6

GUARANTEED AND FOUND ANALYSES LAND PLASTERS AND AG. LIMES, 1931

Land Plaster	National Keene Cement Co.	Sigurd, Utah	Guar. Found	Hydrated calcium sulfate Hydrated calcium sulfate	99.6 97.5
Land Plaster	Pacific Portland Cement Company	Portland, Ore.	Guar. Found	Hydrated calcium sulfate Hydrated calcium sulfate	93.0 91.0
Land Plaster	Jumbo Plaster & Cement Company	Sigurd, Utah	Guar. Found	Hydrated calcium sulfate Hydrated calcium sulfate	97.5 97.0
Land Plaster	Nephi Plaster & Mfg. Co.	Salt Lake City	Guar. Found	Hydrated calcium sulfate Hydrated calcium sulfate	92.0 94.0
Land Plaster	Standard Gypsum Co.	San Francisco, California	Guar. Found	Hydrated calcium sulfate Hydrated calcium sulfate	93.0 94.0
Crushed Limestone	Orcas Lime Co.	Seattle, Wn.	Guar. Found	Total Neutralizing Power Total Neutralizing Power	99.0 95.7
Golden Gate Ag. Lir	ne Pacific Portland Cement Company	Portland, Ore.	Guar. Found	Total Neutralizing Power Total Neutralizing Power	95.0 98.9

OPECON STATE
AGRICULTURAL COLLEGE
Corvallis, Oregon 13 APP 1935
June 1, 1931.

To Manufacturers, Dealers, and Users of Commercial Fertilizers and Agricultural Lime:

The Oregon State Fertilizer Law was enacted by the State Legislature in biennial session in 1905. The State Lime Law dates from the biennial session of 1917. Responsibility for the enforcement of both laws in the intervening years has rested with the State Agricultural Experiment Station. On or after July 1, 1931, this responsibility will no doubt be transferred to the State Department of Agriculture in accordance with the Act creating the state department.

The last report on inspection and analytical work, covering the biennium 1929-1930, was issued in January, 1931, as Experiment Station Circular No. 98. It still may be obtained upon request addressed to the Agricultural Experiment Station at the college. The enclosed tabulation of check-up analyses on manufacturers guarantees for the season of 1931 completes the work of the Experiment Station in this field.

In this connection it is a pleasure to record the harmonious relationship that has prevailed over this period of years between manufacturers and dealers on the one hand and this law-enforcing agency on the other. Very rarely has it been necessary on our part to resort to the rather drastic procedure provided by law to prevent fraudulent and questionable marketing practices. To a far greater extent we have relied upon persuasion and education to accomplish the end sought by the legislators. County agricultural agents and extension specialists have been invaluable agencies in spreading fertilizer and agricultural lime news and facts. Through them, in steadily increasing numbers, users of fertilizers and lime have sought the advice and council of the Experiment Station authorities on the purchase and use of these commodities. It is coming to be fairly well recognized that commercial fertilizers and agricultural lime must inevitably play an important part in the further development of intensive agriculture on the Pacific Coast.

For the new law-enforcing agency--the State Department of Agriculture--we bespeak your continued hearty cooperation and support.

Yours very truly,

g. 3. Jones

J. S. Jones

Department of Chemistry Oregon Experiment Station