## PACIFIC OYSTER SEED

In the spring of 1947 importations of Pacific syster seed from Japan were resumed for the first time since before the war. Hajor plantings of this seed were made in Tillamook Pay and Coos Day with additional trial plantings in various other localities in Oregon. In addition to the standard occurredial variety of cyster seed from the Sendai area, which was purchased by the cyster growers here, the Japanese seed cyster industry sent a trial shipment of a southern variety of Cetres gigas from the Kumamoto area. These were claimed to be a smaller cyster of excellent flavor, it being hoped that they might develop into a better "cocktail" or "delicacy" type cyster than their larger northern counterpart. Ten cases of this experimental seed were planted the last of April in various bays and areas in Oregon by the Oregon Pish Commission.

The first of August some of these plantings were examined in Tillamock and Yaquina Bays. The following table gives the average size of these syster in millimeters. Length is the longest distance of the actual shell disregarding projecting "frills" etc., starting from the umbe, while width is the distance across the shell perpendicular to the length line at its center. The L/W column gives the numerical result when the length is divided by width to give a proportionality figure for the shell.

## 1947 PACIFIC SEED OYSTER PLANTINGS Sise in mm. as of Aug. 1947

Where Planted	Length	Width	L/N
Regular Sopd:  Tillamook - low ground low ground intermediate - high ground  Yaquina - lagoon	43.9	23.4	1.56 1.65 1.45 1.68
Kummoto variety:  1111amook - low ground - high ground Yaquima - lagoom	29.1	20.7	1.59

It will be seen that as expected there was some difference in growth of cysters planted in different areas. It should be remarked that the plantings in the Yaquina Bay lageon were inadvertantly made in an area of settling mid tending to bury them. This was reflected in an extremely excessive mortality (the only place any approximable mortality was found), and in the length-width ratio showing that already the cysters had started to develop into the proportionately longer, slimmor form required to prevent employe buyrying. It also probably accounts for the smaller size. The Yaquina Bay sample marked "Hewport" was a small string of cultch shells suspended bemeath a cannery dock in Hewport by a local systeman, subject to unusual conditions, and must not be too strictly compared with the other samples actually located on cyster beds.

In general, however, it is obvious that the seed is doing very nicely, now being an average size of appreximately lg to 1-5/4 inches long and a little better than 1 inch in width, ranging up to an extremensize of over 2 by 2g inches.

However, now, while growers may be contemplating possible orders of seed for the coming year, particularly of the Kummusta wariety, it is of interest to compare the results of this variety to that of the standard type. To date it is definitely smaller but the difference is not too great. Further, the length-width ratio is as yet identical to the regular large variety, indicating that it may follow much the same growth pattern as the other in our waters. Hence, although it may well prove to be a desirable form for yielding smaller oysters it appears that it still may not be left until mature for harvesting for "cooktail" purposes, but will again need to be marketed immediately them desired size is attained, unless some method of stanting them can be devised. It is granted that this may be a premature conclusion but it is felt that it is a possibility that should be born in mind by prospective buyers.

The foregoing plantings as well as all other thrucut the State will be followed and checked from time to time by the Fish Commission to give as much information as possible to the expending syster industry of the State. Any persons desiring information, or possible assistance on this er any other matter relating to shell fish in the State, is encouraged to contact the Oregon Fish Commission, Research Station, Newport, Oregon, whereupone very possible means of ecoperation will be extended.

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