

Premium List For Corn Show at Walla Walla

Show Organized and Managed by Oregon-Washington Railroad and Navigation Company, Will Be Held November 25, 26, 27 and 28, 1914.

General Rules.

1—Competition open to everyone in territory tributary to the Oregon-Washington Railroad & Navigation Company's lines in Oregon, Washington or Idaho.

2—All prize winning exhibits to become the property of the company for exhibition and seed purposes.

3—Prizes offered for irrigated products are intended to apply wherever water is used as an aid to crop production. No discrimination will be made as to method of application.

4—Entries for all prizes must be accompanied with the name of exhibitor, the location of the land and character of the soil. Where the term "non-irrigation" is used, the reference is to all lands where crop production is carried on without artificial use of water. When the prize is for one acre or more, the entry must designate the location, size and shape of plot; also state whether it is a separate plot grown especially for exhibition or experimentation, or is part of a general field crop. In the latter case state the size of the field and whether it is one acre or more. Ground to be measured and the yield certified to by two or more disinterested parties. This report must also show the character of the soil, kind of fertilizer used,

use the following score as a basis of awards:

Pounds of grain per acre.....	30 points
Pounds of fodder per acre.....	30 points
Quality of grain.....	20 points
Cost of production in hours of man and horse, and of fertilizer, where such is used.....	10 points
Best story of how crop was produced and handled.....	10 points

8—In the one and 12-ear contests, all grain to be judged as follows:

Score Card.		
	1 Ear	12 Ears
Shape of ear.....	20	15
Trueness to type.....	5	5
Filling out at ends.....	12	10
Maturity.....	18	15
Uniformity of kernels.....	25	20
Per cent of grain to cob.....	20	20
Uniformity of exhibit.....	15	15
	100	100

No report will be required with the one and 12-ear contests. A copy of the score card as marked by the judges will be sent to each exhibitor, whether winning prize or not.

9—One person may compete for two or more prizes, but separate exhibits must be made for each entry. Where

Division D—O. W. R. & N. Co.—Boys' Contest for Best 12 Ears.

This contest limited to boys under 18 years of age.

	Irrigated.	Non-Irrigated.
1st Prize.....	\$20.00	\$20.00
2nd Prize.....	15.00	15.00
3rd Prize.....	10.00	10.00
4th Prize.....	5.00	5.00
5th Prize.....	2.50	2.50

Division E—O. W. R. & N. Co.

Best general display.....\$50.00

Basis of Award.

Number of varieties.....	20
Quality of grain.....	40
Taste of arrangement.....	20
Size of exhibit.....	10
Story of how it was produced.....	10
	100

Division F.

To the Boys' Corn Club making the best general exhibit, under same rules as Division E, the A. H. Averill Machinery Co., of Portland, Oregon, will give the following:

- 1st—Library of nine agricultural and horticultural books.
- 2nd—Library of six agricultural and horticultural books.
- 3rd—Library of three agricultural and horticultural books.

Company, Portland, Oregon, offer - New Deere Corn Planter.

Division L, Class 2.

For best five acres of corn grown on non-irrigated land, to be judged under the same rules as provided for the one-acre contests, 100 field-selected ears and 12 selected stalks to be exhibited at the show, the International Harvester Company of America offers a prize consisting of Two-Horse Riding Cultivator.

Division M, Class 1.

For the best 10 acres of corn grown under irrigation, to be judged by the same rules as the one-acre contests, 100 field-selected ears of seed corn and 6 stalks to be exhibited at the show, the Oregon Moline Plow Co., Portland, Oregon, will give a two-horse walking Corn Cultivator.

Division M, Class 2.

For the best 10 acres of corn grown without irrigation, to be judged by the same rules as the one-acre contests, 100 field selected ears of seed corn and 6 stalks to be exhibited at the show, the Parlin & Orendorff Northwest Plow Co., Portland, Oregon, will give a King Cultivator with No. 21 gang.

Division N, Class 2.

To the boy or girl under 16 years of age entering the twelve best seed ears of his own selection, with story of how the crop was grown, Lou S. Smith, assistant agriculturist, O. W. R. & N. Co., will give an Eastman Vest Pocket Kodak with two rolls of films. Contest open only to Wasco, Sherman, Gilliam, Morrow and Grant counties, Oregon. Corn need not be grown by contestant, but must be grown on upland without irrigation. Exhibit to count 50 and story 50.

SAVING SEED CORN.

By C. L. Smith, Agriculturist of the Oregon-Washington Railroad & Navigation Company.

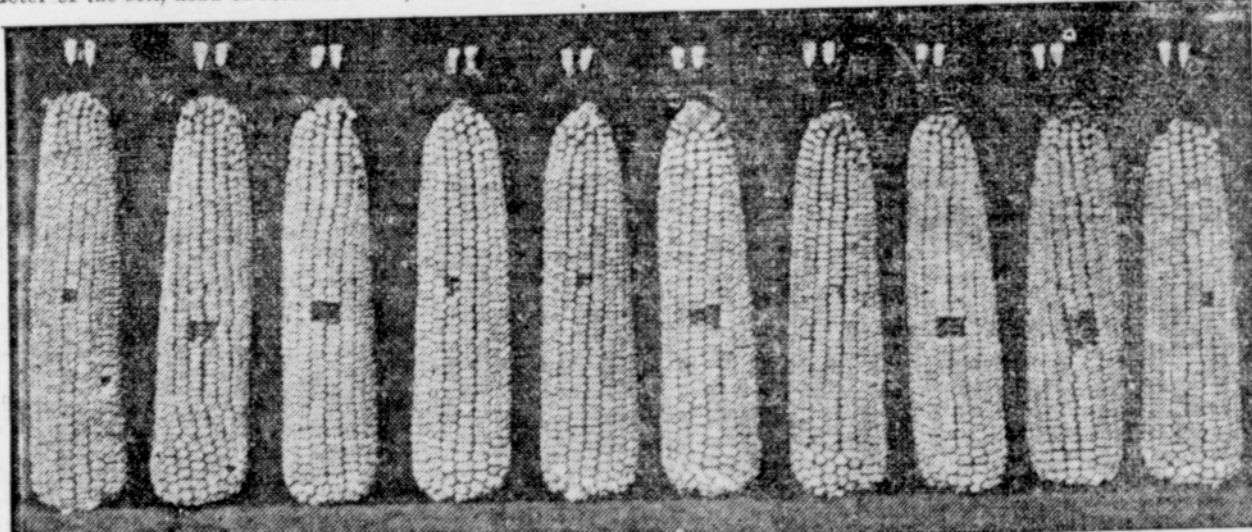
The corn plant has the characteristic of adapting itself to soil and climatic conditions to a greater degree than any other cultivated plant. There is also a wider variation in size and quality of grains, under average conditions, than is to be found with other cereals. For this reason, seed selection becomes a very important factor in successful corn growing.

Experiments have demonstrated that with fertile soil, carefully prepared, planting and cultivation well done, the difference in seed has made a difference in the yield varying from 12 to 100 bushels per acre. Even when good ears have been selected and tested, the variation has been remarkable. In one experiment 100 ears planted in 100 rows side by side, in the same field, some of the rows produced at the rate of 90 bushels per acre, while others produced less than 40 bushels per acre. Some had ten times as many barren stalks and a dozen times as many suckers as the others.

The place to select seed corn is in the field. The time to select it is before the harvesting of the crop. One of the most successful growers, who has in twenty years increased his crop from 25 bushels per acre of rather poor corn to 100 bushels per acre of No. 1 corn, begins his seed selection by cutting out all weak or barren stalks before blossoming. The latter part of August he goes over the field marking with colored strings those stalks that are strong, free from suckers, with two or more good ears on a stalk. A special mark is put on those that indicate early maturity. Just before the harvesting of the main crop, the marked ears are gathered, marked according to the strings, and dried as quickly and as dry as possible, by hanging in a well ventilated room that is well heated every day.

The corn when dry is stored in a dry, well ventilated room. In March the heaviest, most perfect shaped ears are selected for the seed plot. Six kernels from each ear are tested for germination. Any ears that show poor germination or weak yellow plants are discarded.

In marking the stalks to be saved for seed, the general appearance of the stalk should be considered. It should be of medium height for the variety, thick at the butt, and gradually tapering, close



if any, quantity, and time applied; when the land was plowed and how deep; how often disced and harrowed before planting; date and method of planting; how often harrowed after planting; how often cultivated; what kind of cultivator used and date of harvesting.

Samples of corn and stalks should be as nearly as practicable a fair average of the crop except where the specification is for field selected ears, in which case the grower is supposed to go over the plot some time previous to harvesting, and mark those stalks containing the earliest maturing ears of good even size, growing on strong, well developed stalks. These marked ears are then harvested separately, sorted and fire dried, and from these he may select the 50 or 100 of most perfect ears.

5—All entries in the acre contests must be accompanied by a statement which, in addition to points noted in Rule 4, will name the varieties of corn, and if the seed was grown on that farm; how many years the variety has been grown on that farm or in that neighborhood, and state the labor cost in hours and minutes in preparation of the ground, planting, cultivating and harvesting. Also the use made of the main crop. Was any part of it cut and fed green? Was any of it hogged off, or eaten off by livestock without harvesting? Was any of it cut up and shocked, or was it husked and stalks left standing in the field, or was any of it put in the silo? If so, state the size of silo and number of acres required to fill it; number of hours' time of man and team required to harvest the crop and place it in the silo. Was any seed corn saved? If so, how much, and how was it saved?

If you have any seed corn to sell, tell us just how much of each variety.

6—In all acre contests 50 ears of corn and 12 stalks must be exhibited, except in Divisions J, K, L and M, which require 100 ears.

7—In acre contests the judges will

the prize is offered for one acre or more, a separate plot must be assigned for each entry. Where the prize is given for ears of corn, the corn may come from the acre or more that is in competition for another prize, but a separate exhibit from that required by the acre contest.

10—All entries should contain ears in nearly uniform in size, shape and color as practicable.

11—All exhibits should be plainly marked as to what prize the entry is competing for. Read carefully Rule 9.

Division A—O. W. R. & N. Co.

—Best Acre.

	Class 1		Class 2	
	Irrigated.	Non-Irrigated.	Irrigated.	Non-Irrigated.
1st prize.....	\$25.00	\$25.00	15.00	15.00
2nd Prize.....	15.00	15.00	10.00	10.00
3rd Prize.....	10.00	10.00	7.50	7.50
4th Prize.....	7.50	7.50	5.00	5.00
5th Prize.....	5.00	5.00	2.50	2.50
6th Prize.....	2.50	2.50	2.50	2.50
7th Prize.....	2.50	2.50	2.50	2.50
8th Prize.....	2.50	2.50	2.50	2.50
9th Prize.....	2.50	2.50	2.50	2.50
10th Prize.....	2.50	2.50	2.50	2.50

Division B—O. W. R. & N. Co.—

Best Twelve Ears.

	Class 1		Class 2	
	Irrigated.	Non-Irrigated.	Irrigated.	Non-Irrigated.
1st Prize.....	\$15.00	\$15.00	10.00	10.00
2nd Prize.....	10.00	10.00	7.50	7.50
3rd Prize.....	7.50	7.50	5.00	5.00
4th Prize.....	5.00	5.00	2.50	2.50
5th Prize.....	2.50	2.50	2.50	2.50
6th Prize.....	2.50	2.50	2.50	2.50
7th Prize.....	2.50	2.50	2.50	2.50
8th Prize.....	2.50	2.50	2.50	2.50
9th Prize.....	2.50	2.50	2.50	2.50
10th Prize.....	2.50	2.50	2.50	2.50

Division D—O. W. R. & N. Co.—Boys'

Contest for Best Acre.

This contest limited to boys under 18 years of age.

	Irrigated.	Non-Irrigated.
1st Prize.....	\$20.00	\$20.00
2nd Prize.....	15.00	15.00
3rd Prize.....	10.00	10.00
4th Prize.....	5.00	5.00
5th Prize.....	2.50	2.50

Division G.

Best one ear, any variety, offered by R. B. Miller, traffic manager, O. W. R. & N. Co.....\$25.00

Division H.

For best 12 ears popcorn, C. L. Smith, Agriculturist, O. W. R. & N. Co., will give:

1st Prize.....	\$5.00
2nd Prize.....	3.00
3rd Prize.....	2.00

Division I, Class 2.

For best 100 ears Flint corn grown on upland by dry farming methods, 12 stalks and statement of how grown to accompany the exhibit, the J. I. Case Threshing Machine Co., Portland, Oregon, will give a Racine Rotary Harrow.

Division J, Class 1.

Best two acres of Dent corn grown on irrigated land, to be judged by the same rules provided for the one acre contests, 100 ears of field selected seed corn and 6 stalks, to be exhibited, a Riding Cultivator, offered by R. M. Wade & Co., Portland, Oregon.

Division J, Class 2.

For best two acres non-irrigated Dent corn grown by dry farming methods, Mitchell, Lewis & Staver Co., Portland, Oregon, and Spokane, Washington, offer a prize consisting of a J. I. Case Lister, Subsoiler and Seed Drill, combined, an excellent tool for the dry land farmer. To be judged by rules of one-acre contests, 100 ears field selected seed corn and 12 stalks to be exhibited.

Division K, Class 2.

For the best three acres of corn grown on non-irrigated land. The corn to be judged by the same rules as provided for the one-acre contests, 100 ears of corn and 12 stalks to be exhibited at the show. The Oliver Chilled Plow Works, Portland, Oregon, will give one No. 15 Variable Drop Corn Planter.

Division L, Class 1.

For the best five acres of corn, irrigated, to be judged under same rules as provided for the one-acre contests, 100 field-selected ears and 12 stalks to be exhibited at the show, the John Deere