

**VARIETAL COMPARISON;
DATE AND RATE TESTS**

Continuation of Report from
Experiment Station.

Results of Experiments Conducted on
Dry-Land at the Harney County
Branch Station During the
Year 1919.

Precipitation at the Branch Station
by months; crop season (September 1,
1918, to August 31, 1919) and growing
season (May to August).

For the Year 1919:
Jan. 0.67; Feb. 1.45; March, 0.43;
April 1.07; May 0.32; June 0.00;
July 0.03; Aug. 0.07; Sept. 1.78;
Oct. 0.78; Nov. 0.77; Dec. 1.62;
Annual precipitation, 8.99. Crop
Season, 6.74. Growing Season, 0.42.

With the soil moist from 9 to 16
inches at seeding time and a total
precipitation of 42 hundredths of an
inch for the five growing months,
May to August inclusive, the yields
from some of these plots are remark-
able, and indicate what the soil is
capable of producing if the proper
amount of moisture is supplied.

**Varietal Comparison of Spring
Wheat**

Variety	Yield Bu. per A.
Little Club	8.8
Kooja	6.8
Pacific Bluestem	6.7
Galgalo	5.9
Talimka	5.7
Chule	5.7
Early Baart	4.9
Marquis	4.9
Dicklow	4.6
Auleata	3.9
White Bobs	3.6
Prelude	2.0

The above varieties were grown on
triplicated twentieth acre plots, the
results being the average yield of the
three plots. The highest yielding
plot was Little Club, the rate being
16 bushels per acre.

The following varieties were grown
on single fortieth acre plots:

Variety	Yield Bu. per A.
Ocebaard	8.0
Federation 4733	8.0
Houston	6.6
Acme Durum (S.D. 284)	5.3
Golden Ball	4.3
Gherki	4.0
Preston	3.3
Polish	3.0
Federation 4734	2.6
Red Bobs (Canada)	1.0

All of the above varieties were
seeded April 21st at the rate of 30
pounds to the acre.

**Varietal Comparison of Spring
Barley**

Variety	Yield Bu. per A.
Common (Local)	9.7
Coast	8.4

Crop	Variety	Date of Seeding	Rate	Yield Bu.
Barley	White Smyrna	May 2	4 pecks	23.1
Barley	White Smyrna	May 13	4 pecks	22.9

The best plot yield for the early seeding was 30.4 bu. per acre.

Oats	Sixty Day	April 16	4 pecks	6.8
Oats	Sixty Day	April 25	4 pecks	6.7
Oats	Sixty Day	May 8	4 pecks	5.1

The best plot yield was at the rate of 8.7 bu. per acre.

Spring Rye	26101	April 16	4 pecks	11.9
Spring Rye	26101	April 25	4 pecks	12.5
Spring Rye	26101	May 8	4 pecks	10.2

The highest yield for the April 25 seeding was 16.8 bu. per acre.

Rate of Seeding Experiment

A rate of seeding experiment was
also conducted to determine the best
plots.

Crop	Variety	Rate of Seeding	Date	Yield Bu.
Barley	White Smyrna	2 Pecks	May 2	20.9
Barley	White Smyrna	4 Pecks	May 2	23.4
Barley	White Smyrna	6 Pecks	May 2	19.8

The highest plot yield, 33.7 bu. per acre, seeded at 2 pecks.

Oats	Sixty Day	2 Pecks	April 16	5.7
Oats	Sixty Day	4 Pecks	April 16	5.4
Oats	Sixty Day	6 Pecks	April 16	7.1

The highest plot yield, 10.0 bu., seeded at 6 pecks.

Rye, Spring	26101	2 Pecks	April 16	12.5
Rye, Spring	26101	4 Pecks	April 16	13.2
Rye, Spring	26101	6 Pecks	April 16	8.6

The highest plot yield, 16.9 bu. per acre, seeded at 4 pecks.

Note: The early baart wheat in the
date and rate trials was a failure due
to frost, drought and sagerats. The
Tillage Experiment on dry-land was
a failure due principally to the late
June freeze. The soil on which
these experiments were conducted

High-Price Land Crops

How to produce crops under high
priced land, labor and supply condi-
tions, so bountiful that they will force
the price of the food and clothing
material away down, and then sell at
the bottom figures without going
broke, was the big question of Farm-
ers' week. It is evident that the
Oregon farmer is going to do the
best he can to grow good crops and to
grow them as economically as possi-
ble, but that he is not going to
be goaded by the taunts of profiteering
to deliberately enter upon a course
of financial ruin. As one forward-
looking farmer put it, "How are we
going to come out if we buy big
stocks of seed potatoes at \$4 a hun-
dred, grow them under present ex-
pensive production conditions, and
with the big crop beat the price down
to a dollar a sack?"

"DOUG" LOOKS INTO THE FUTURE



Robt. E. Smith, Director War Loan Organization, 12th Federal Reserve District, Appointing Douglas Fairbanks Director of Savings and Thrift for Southern California.

White Smyrna 7.5
Trebil 6.4
Swanneck 5.1
Hannchen 3.5
The above barley varieties were
sown on triplicated twentieth acre
plots May 5th at the rate of one bu-
shel per acre. The highest yield,
13.3 bushels per acre, was obtained
from a plot of common barley.

Varietal Comparison of Spring Oats

Variety	Yield Bu. per A.
Silvermine	6.8
Neb 21	6.5
Sixty Day	6.6
Rustless Selection	5.9
Big Four	5.1
Sweedish Select	3.7
Shadeland Climax	1.6

The above varieties of oats were
seeded in triplicated twentieth acre
plots, April 25th, at the rate of one
bushel per acre. The highest yield,
8.6 bushels, was secured from a plot
of Sixty Day oats. The soil on the
entire series was moist to an average
depth of eleven inches.

Date of Seeding Experiment

A date of seeding experiment was
conducted on the dry-land with the
leading cereals, namely, wheat, oats,
barley, and rye, the object being to
determine, if possible, the best time
for seeding each of the various crops.
Triplicated twentieth acre plots were
used in this experiment.

WISE AND OTHERWISE

Samson was the strongest man.
Answer, without hesitation—how
did he die?

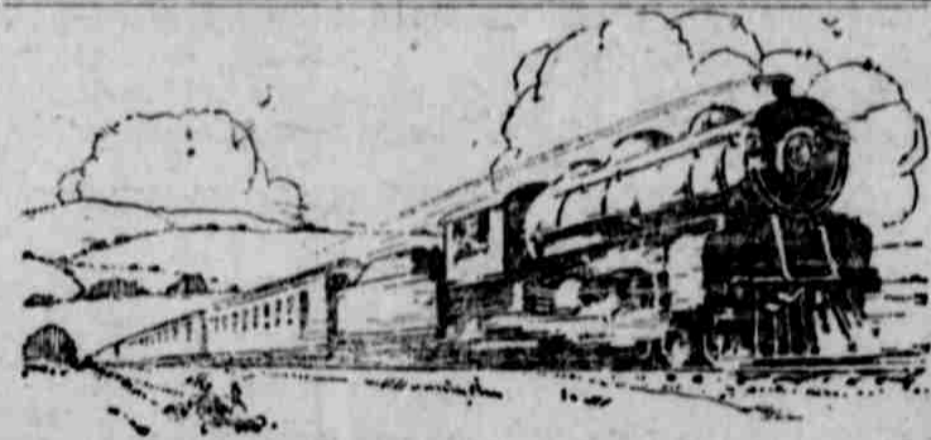
England and France are in com-
plete international accord. That's
more than America is, even with itself

Clothing, manufacturers tell us,
is sure to advance in price. And the
moment we fall back on the the old

reliable fig leaf the cusses will sart
the profiteering in them.

Be careful how you blow off with
new year resolutions. Like prices,
they are subject to change without
notice.

Judging from the number of sen-
tlemen nursing presidential ambition,
we are inclined to the opinion that
America is well supplied with men of
super-greatness—in their own es-
timation.



A vast amount of work remains to be done which the
intervention of war has necessarily delayed and accom-
plished, and the result is that * * * very large capital
expenditures ought to be made to make up for the inter-
ruptions inevitably due to the war, and to prepare the rail-
roads to serve adequately the increased traffic throughout
the country.
WALKER D. HINES,
Director General of Railroads.

*Work more—
Produce more—
Save more—*

But we can't continue increasing our
production unless we continue increasing
our railroad facilities.

The farms, mines and factories cannot
increase their output beyond the capacity
of the railroads to haul their products

Railroads are now near the peak of their
carrying capacity.

Without railroad expansion—more en-
gines, more cars, more tracks, more ter-
minals—there can be little increase in
production.

But this country of ours is going to
keep right on growing—and the railroads
must grow with it.

To command in the investment markets
the flow of new capital to expand railroad
facilities—and so increase production—
there must be public confidence in the
future earning power of railroads.

The nation's business can grow only as
fast as the railroads grow.

*This advertisement is published by the
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ation may obtain literature by writing to the Associa-
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