

### A Correct Lubricant for every Farm Machine



For Gasoline Engines,  
Tractor, Auto or  
Stationary  
**POLARINE OIL**  
STANDARD GAS  
ENGINE OIL  
For Kerosene Engines  
Tractor or Stationary  
**POLARINE OIL**  
HEAVY  
**POLARINE OIL A**  
IMPERIAL KERO-  
SENE TRACTOR OIL  
IMPERIAL KERO-  
SENE TRACTOR  
OIL EXTRA HEAVY  
(Recommended by  
many tractor manu-  
facturers)



For Open Bearings of  
Farm Machinery  
**PRAIRIE**  
**HARVESTER OIL**  
—very heavy body,  
resists cold, won't  
thin out with  
moisture  
**ELDORADO**  
**CASTOR OIL**  
—a thick oil for worn  
and loose bearings



For Steam Cylinder  
Lubrication,  
whether Tractor or  
Stationary Type  
**CAPITOL**  
**CYLINDER OIL**  
—the standard pro-  
duct for steam  
cylinder  
lubrication



**THRESHER**  
**HARD OIL**  
For Grease Cup  
Lubrication of  
Bearings, a clean  
solidified oil high  
melting point.

#### IMPERIAL OIL SERVICE

Talk over your lubrication  
needs with the *Imperial Oil man*.  
There is an *Imperial Oil man* near  
you and he is there for that very  
thing. You will find him well  
posted on farm lubrication and glad  
to be of service to you.



### IMPERIAL OIL LIMITED

Power · Heat · Light · Lubrication  
Branches in all Cities

#### Proper Lubrication Increases Farm Profits.

Correctly lubricated farm machines do  
last longer. Correctly lubricated en-  
gines, trucks, tractors and automobiles  
not only last longer but they will do  
more work or go more miles at less fuel  
expense than those poorly lubricated.

Selecting Imperial Lubricants, the high  
qualities of which are recognized every-  
where, is a step in the right direction.  
The next thing is to use the proper lubri-  
cant for each machine and each purpose.

There is no all-round lubricant. There  
is an Imperial Lubricant made especially  
for each need. A few recommendations  
are mentioned in the panels at the left.

All Imperial Lubricants can be promptly  
supplied in a size suited to your needs.  
They come in half gallon, one gallon and  
and four gallon sealed cans, in half  
barrels and barrels.

#### Smut of Oats.

The oat crop of Canada is estimated  
at about 400,000,000 bushels. The  
average loss from oat smut, usually  
placed at four to six per cent., means the  
destruction of about 20,000,000 bushels, a  
loss which can easily be prevented by  
seed treatment.

Oat smut is easily recognized as it  
destroys the kernel and hull and some-  
times the chaff, changing them to a black  
dusty powder composed of millions of  
spores, which are scattered by the wind  
and which lodge on the sound oats in the  
vicinity. When this grain is sown the  
smut spores germinate and infect the  
young seedlings. The smut develops  
inside the growing plant and reduces the  
kernel to a mass of spores instead of sound  
grain.

The object of seed treatment is to kill  
the spores lodged on the grain. The  
safest and best method is to treat the  
seed with a solution of formaldehyde  
by one of the following methods.

**Dipping method.**—Mix well one  
pint of formaldehyde (formalin) in forty  
gallons of water, putting the solution  
in barrels or casks. Put the seed in coarse  
bags that the solution will readily pass  
through and dip into the casks allowing  
to soak for about five minutes till every  
grain is wet. Remove the bags and allow  
to drain on slats into the casks as the  
solution may be used several times.  
Then pile the grain on a clean floor and  
cover with sacks or canvas for two or  
three hours. Dry the grain by spreading  
on a clean floor and stirring now and then.  
Sow the grain as soon as it will run  
freely or if necessary to store, dry  
thoroughly as damp seed will mould or  
sprout.

**Sprinkling Method.**—Pile the grain  
on a clean floor or grain wagon and  
sprinkle the grain with the solution,  
using a sprinkling can shovelling the  
seed from one pile to another so that each  
kernel will be thoroughly wet. About  
a gallon of solution will be required  
for each bushel of grain. Cover the  
grain as in the dipping method and dry.

Do not allow the wet grain to freeze  
as it might injure germination. When  
the grain has been treated and is damp  
and swollen the rate of seeding should  
be increased about three-fourths of a  
bushel per acre. Any bags or receptacles  
used for holding the treated grain should  
be disinfected in the solution of formalde-  
hyde.

**Dry Method.**—This method has been  
recently introduced but requires more  
care. A solution consisting of one pint  
of formaldehyde to one pint of water  
is sprayed on the grain while it is being  
shovelled over a clean floor on canvas.  
A sprinkling can must not be used as a  
sprayer that will deliver the solution in  
the form of a mist is necessary. In this  
method there is no danger of freezing  
and no drying is required. It should not  
be used for wheat except in an experi-  
mental way. One quart of the solution  
will treat about fifty bushels of seed.—  
Experimental Farms Notes.

"Holland, in harboring the kaiser, is  
being loyal, she says, to her best tradi-  
tions. But isn't she being too loyal?"

The speaker was an official of the ship-  
ping board. He went on:

"Holland in her loyalty reminds me  
of a story. A certain man went out in  
his automobile, and failed to turn up  
for dinner. Bedtime came, and still  
he hadn't turned up. The small hours  
—and no sign of him.

"Then the man's wife, frantic, sent  
off telegrams to his six best friends,  
all worded the same, namely:

"Is George passing the night with  
you?"

"Well, George turned up at breakfast  
in a farm wagon. He had had an ac-  
cident in the depths of the wilder-  
ness. Oh, George had had a horrible time,  
truly.

"As he recounted his adventures and  
devoured ham and eggs, the maid brought  
in on a silver plate six telegrams that had  
arrived simultaneously. George's wife  
opened and read them one by one. They  
were all worded alike. Each said:

"George passed the night here."

### CORRECT YOUR SOIL WITH Beachville White Lime

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156 Yonge Street, Toronto, Ontario.

#### Shorten Piggy's Growing Stage

—prevent him from getting a set-back at weaning—get him in the habit of putting on  
weight fast—and have him ready for market weeks earlier by feeding him

### GARDINER'S PIG MEAL

This is the greatest feed you can get for pigs at the weaning period. It gives them  
just the right start for that quick growth that spells profit.



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