

WINTER WHEAT.

Results of Experiments Conducted at the Ontario Agricultural College, 1900 - Work of Thirteen Years. Upwards of three hundred plots were used for the winter wheat experiments conducted at the Ontario Agricultural College during the past year.

One hundred and fifty-five varieties of winter wheat have been grown at the College within the past thirteen years. These include the Canadian varieties and also those imported from Germany, Russia, France, England, Scotland, Australia and the United States.

The grain of each of these varieties was recently judged for milling qualities by representatives from the Jas. Goldie Milling Co., Guelph, with the following results: Dawson's Golden Chaff, good; Egyptian Amber, extra good; Turkey Red, good; and Velvet Chaff, poor.

For each of the four years different selections of seed have been made from each of two varieties of winter wheat and have been sown on separate plots. The average results in yield of grain per acre of the eight tests thus made are as follows: Large plump seed, 42.1 bushels; small plump seed, 35.0 bushels; shrunken seed, 35.5 bushels, and broken seed, 7.3 bushels.

In an experiment conducted during the past year in growing wheat on grass sod and on clover sod it was found that the former gave 28.2 per cent. less in yield of grain per acre than the latter. Ten plots were used for the experiment.

Five varieties of winter wheat were sent out for co-operative experiments in the autumn of 1899. These were divided into two sets, with three varieties in each set, the Dawson's Golden Chaff being used in both sets as a basis by which the results of all the varieties could be compared with one another.

with the experimenters is represented by the following figures: Dawson's Golden Chaff, 100; Early Golden Chaff, 84; Gold Coin, 73; Diamond Grit, 71; Early Red Clawson, 69. The Diamond Grit variety was sent out owing to its quality rather than its yield of grain.

THE WIDTH OF TIRES. Regulated by Law in All the Good Road Countries of Europe. Prof. H. F. King, physicist of the Wisconsin agricultural station, in the bulletin prepared by him on the construction and maintenance of country roads, says concerning wide tires:

When we come to have a system of good roads and the means for maintaining them it will be necessary to have ordinances regulating the width of tire and diameter of wheel which may be used on the roads when carrying the specified loads.

Other countries of the old world have found similar ordinances necessary and it is clearly rational and just that such matters should be regulated, for otherwise one man may easily put in jeopardy the interests of a whole community.

Scale Insects on Grasses. We generally think of scale insects as damaging trees and tree fruits. Most of us have never felt that we need concern ourselves about these insects on grasses. It is a fact, however, that in some parts of the country scale insects abound in the grasses.

How to Fight Brown Lice. Many plum and locust trees are infested with a brown louse. They work chiefly on the underside of the leaves and on twigs. The lice should be carefully sprayed with kerosene emulsion made as follows: Dissolve 1 1/2 pounds of soap in a gallon of hot rain water and when cool add two gallons of coal oil and agitate vigorously until a creamy mass is formed.

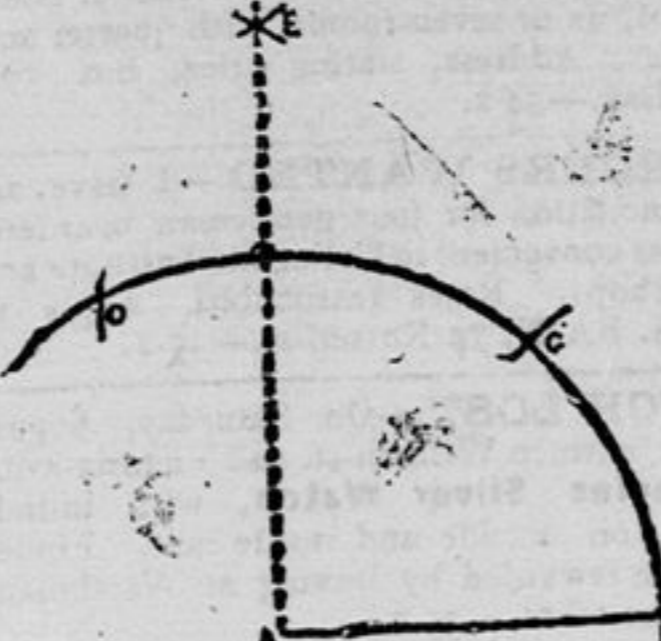
Protecting Stock From Flies. It is rather difficult to protect horses and cattle against the attacks of flies when outdoors or in pasture. The farmers in Holland endeavor to protect their cattle while in pasture by covering them with thin muslin blankets.

Value of Birds. A French scientist has stated that without birds to eat insects and weed seeds the earth would in a few years become uninhabitable for man. When it is considered that almost the entire food of the majority of birds consists of seed of some sort and insects or worms, the statement is not improbable.

RECTANGULAR FIELDS.

They Are Less Wasteful Than Other Shapes and Are Not Much More Difficult to Make.

Every farmer is willing to agree that rectangular fields are less wasteful of land than fields of other shapes, and that straight lanes and roads running at right angles to or parallel with the sides of these fields are not only more economical of space and time, but are neater than irregular roads.



PLAN OF RECTANGULAR FIELD.

Decide upon a straight base-line, and work from that. Start at one of the corners, A (see illustration), and measure back on the line any convenient distance, B, say 20 feet, using a piece of rope that will not stretch. Hold the rope tight, and draw the arc BCD. Now start at B, and keeping the rope tight, mark the point C. From C mark off D, and also draw a little arc passing through E, which will be definitely located when the stationary end of the line is placed at D and the distance, 20 feet, marked off.

The Cultivation of the Orchard. The ideal orchard is kept free from all vegetation, and the surface soil cultivated frequent enough to keep it in a loose, porous condition. Weeds are not allowed to grow, and the ground is kept shaded and cool by a mulch, either of the soil itself or the annual deposit of leaves left to decay.

Where the trees are large and close together some crop that will need but little tending should be put in. Cowpeas will be of benefit to the soil, and will furnish an abundance of exercise and food for the fowls if allowed to grow in the orchard. Beside this the chickens will destroy many insects that are injurious to the trees and fruit.

Headless Colonial Fowls. Poultry have need of their heads and feet even when they are dead, a fact our colonial cousins do not seem to be aware of. A large consignment of fowls and ducks have just arrived in London from New Zealand, all destitute of these important adjuncts, a deficiency which renders them unsuitable for show in the forefront of the shops.

Some Pig-Pen Hints. Pigs of much difference in age or size should not run together, as the stronger will drive the younger from the feed. Keep the young pigs growing, feed them liberally in the side pen. In this way they will gradually learn self-dependence and not draw so heavily on the dam.

Good-Byes and Let-Goes TO WIND UP OUR AUGUST SALE OF Summer Clothing and Furnishings

We promised to make August the Greatest Bargain Getting Month of the Calendar, and part of our programme is a Whirling Wind-up at the end. Everything in stock that inclined to be a hindrance to the complete clearance of Summer Stocks must be swept away by an awful cyclone of slaughtered prices during the remaining days of August.

This Great Mark-Down Sensation



must sweep Summer Suits, Hats, Underwear, Hosiery, Shirts, Neckwear, Caps, Collars, Cuffs, and every vestige of Summer Lines off our tables and shelves. We propose to suspend all rules and regulations of business from now until the 1st of September, and from one end of the store to the other blow whirlwinds of large economics into the hands of the people.

Grid of four promotional boxes: 'Good-Bye to Men's and Boys' Suits', 'Good-Bye to Summer Coats', 'Let Go to Underwear and Hosiery', and 'Let Go to Felt and Straw Hats'. Each box contains a short promotional text.

Everything Rooted Out, Ticketed and Marked at Prices to Close Them Out With a Rush to First Buyers

B. J. GOUGH, THE WONDERFUL CHEAP MAN

Lindsay and Midland

W. F. McCarty



Always Appreciated

Every lady appreciates jewelry. Even the ordinary sort is enjoyed while it is new, but the largest pleasure goes with the best quality.

We make a specialty of the best, and your gift will argue your case for you constantly if you buy wisely here.

W. F. McCarty, THE JEWELLER, 77 Kent-St., South Side

CANADIAN PACIFIC RY. Harvest

Excursions will be run on

AUG. 28TH, RETURNING UNTIL OCT. 27TH, AND SEPT. 11TH, NOV. 10TH, 1900

Table with columns for destinations (Winnipeg, Deloraine, Antler, Estevan, Blainville, Moosomin, Hamoria, Swan River) and return fares (\$28, \$30, \$35, \$40).

From all points in Ontario, Onaping, Sault Ste Marie, Ont., Windsor and East.

For further particulars apply to the nearest Canadian Pacific Agent, or to

A. H. NOTMAN, Assistant General Passenger Agent, King Street East, Toronto.

T. C. Matchett, Agent, C.P.R. OFFICE - KENT STREET

New Boarding Stables

Having leased the Jewett Accommodation Barns on York-st., I am now prepared to receive horses to board by day or week on reasonable terms.

First-class New Hack for Weddings, Funerals, etc., or by the hour.

W. W. WORKMAN, Phone 104.

IS BABY CUTTING TEETH?

Watch him carefully. On the first indication of Diarrhoea give Dr. Fowler's Extract of Wild Strawberry.



Hot weather comes hard on babies, especially those cutting teeth. The little frowns and wastes and fadings away when diarrhoea or cholera infection seizes upon it.

As you love your child, mother, wish to save his life, give him Dr. Fowler's Extract of Wild Strawberry.

There is no other remedy so safe to give to children and none so effective. Mrs. Chas. Smith, Sheol Lake, Minn., says: "I think Dr. Fowler's Extract of Wild Strawberry is the best medicine I have ever made for diarrhoea, dysentery and summer complaint. It is the best thing to give children when they are teething. I have always used it in our own family and it has never yet failed."

J. J. RICH, THE NOBBY TAILOR, LITTLE BAY