# GARDEN & ORCHARD.

#### RASPBERRY CULTURE.

I set in a few red and black raspberries in the spring, and would like a few ideas as to their cultivation now through the medium of your paper. 1. Should the young suckers that come up

around the roots be cut away, or allowed to grow up with the rest of the plant?

2. Should the old plants that were put in in

the spring be kept cut low? Any other pointers on their care at this time of the year would be thankfully received.

Ans.-Most of the red raspberries propagate by means of suckers, while the black raspberry propagates by rooting of the tips of the new canes, which bend over to the ground by the latter part of the season, and, if the tips are covered with a few inches of soil, good strong plants are formed by the following spring. Usually, August is a good month to bend down the tips for this tiplayering. This difference in the propagating habit of black and red raspberries permits of their being arranged in different forms of rows. suckering kinds are best grown in hedgerows, while the tip-rooting kinds which do not sucker may be grown in hills, so that they can be cultivated both ways. However, where one has but a small plantation, they may both be conveniently grown in hedgerows five or six feet apart. The bushes should be pruned every year, either in the fall or spring. For various reasons, fall pruning is preferable. All old canes which have borne fruit should be cut out and the weaker new canes thinned out, leaving, in the case of black raspberries, only five or six of the strongest new canes to a hill. The red raspberries, of which the suckers come up in all directions, should be thinned out, leaving only the strongest canes, and these at least eight or ten inches apart in the row. The tops of the canes should also be pruned back to a uniform height. This will vary from three to four feet, depending upon the age and vigor of the plants.

Raspberries, like other fruits, require clean, thorough cultivation throughout the season. This should begin as early as the ground is fit to work in the spring, and should be continued until about midsummer, after which it is well to cease cultivation to allow the canes to mature their growth for winter. It is well to avoid deep cultivation around the suckering canes, for this breaks up the rootstocks in the ground and causes more sucking between the rows. In northern sections, where the canes are liable to be winter-killed, they have to be bent over and laid down for winter protection, but in your section of the country this would hardly be necessary.

O. A. C. H. L. HUTT.

# THE FARM BULLETIN.

## OXFORD COUNTY, ONT.

The past season has been a very peculiar one. After the corn was planted we had a very long, wet, cold spell of weather, and corn planted on heavy land did not amount to much, and quite a few farmers cultivated it up and sowed Hungarian. But there were some nice pieces of corn in the country. As a general thing, roots have not done very well. Our potatoes turned out the poorest we ever had. Fall wheat was generally good in this part of the country, and will go about 30 bushels per acre. There were also some good fields of hay, but hay was generally light, and is now selling at about \$15 per ton. There were also some splendid light. Many fields of oats were apparently struck a Poultry exhibitors who wish to have their exhibits in with a blight, and for a time looked as if they would be a total failure, but they revived considerably. Most of the 100-acre farmers are threshing out in a day, whereas it used to take a day and a half. And the pastures are very bare. The flow of milk has decreased very much. Some of our patrons did not send half the milk in September that they did in July, and all the others shrunk at least one-third. But the price of cheese is keeping up, being at present about 121 cents. Feed is going to be scarce this winter. Shorts are now \$25 per ton, and oats 50 cents per bushel, and cattle are going into the stable in thin condition. Potatoes are selling at 80 cents per bag, and wheat at \$1.00 per bushel. Apples are a very variable crop this season. Some places they are pretty good and others pretty light. Some packers are offering \$1.75 for firsts and \$1.50 for seconds. We need a fruit cooperative association here to sell our fruit. Milk seems to be scarce, for the Ingersoll Condensing Company have been getting several of the cheese-factory patrons to give them their milk, and are paying \$1.40 per hundred pounds. A Toronto firm has also arranged to have a considerable quantity of milk sent from our County, and some of our cheese factories are nearly out of business. On account of the scarcity of feed, store cattle are not selling high. A man who Wm. Duthie, Tarves. Aberdeenshire, on Oct. 8th, was a was offering two cows for sale was greeted with the query, "Did you not know that people are giving cows away this fall?"

#### DISTRICT DAIRY MEETINGS.

The Eastern Dairymen's Association, at a meeting held in Toronto during the time of the Canadian National Exhibition, appointed a committee consisting of Messrs. J. R. Dargavel, R. G. Murphy, G. G. Publow and G. A. Putnam, to make arrangements for district dairy meetings, to be held some time before the beginning of the New Year. This committee met in Toronto on the 8th inst., and made arrangements for meetings as indicated below:

Picton	Oct. 30
Peterboro	Nov. 6
Lindsay	Nov. 7
Warkworth	Nov. 8
Napanee	Nov. 9
Madoc	Nov. 12
Alexandria	Nov. 14
Kingston	Nov. 16
Elgin	Nov. 19
Almonte	Nov. 21
Stittsville	Nov. 22
Kemptville	Nov. 27
Newington	Nov. 28
Winchester Springs	Nov. 29
Vankleek Hill	Dec. 11
Russell	Dec. 12
Renfrew	Dec. 17

Chief Instructor Publow will attend all these meetings. The President and Secretary of the Associations, Messrs. Dargavel and Murphy, will also attend most of the meetings. Mr. H. Glendinning, of Manilla, will give addresses at all places except Picton, Alexandria, Kingston, Vankleek Hill, Russell and Renfrew. The instruction given by Mr. Glendinning will be of special value to producers, and it is the expressed wish of the Association that due prominence be given to this feature of the work, as they wish every farmer to feel that he will get something of value by attending these district meetings. The chief objects of the meetings are to create increased interest in dairy matters in the different localities, and to give those who are in any way interested in dairy matters the opportunity of selecting a representative to act upon the Board of Directors of the Eastern Dairymen's Association. Farmers, owners of factories, cheesemakers and cheese buyers will be given a voice in the selection of a person to represent the dairying interests of the district upon the Board of the Association.

#### AN ATTRACTIVE PRIZE-LIST.

at the Ontario Provincial Winter Fair, to be held at Guelph, December 9th to 13th, 1907. The following are the different departments of the Fair and the amount of prize money allotted to each

Beef Cattle:	\$1400	0.0
Dairy Cattle	1300	00
Sheep	1850	00
Swine	1450	0.0
Live Poultry	2350	0.0
Dressed Poultry and Specials	900	00
Seeds	550	
Judging Competition	220	00
Total	\$10020	00

There are classes and prizes for all the leading pure breeds, and also for grades, crosses and dressed carcasses. In addition to the cash prizes, there are special prizes, consisting of valuable silver cups, medals, trophies, and goods for competition in the live-stock, seed and poultry departments. These will have a value of more than \$2,000. The specials for the poultry department will be published in a separate list, which fields of peas, but oats and barley were generally very will be ready for distribution about November 10th. competition for these specials should send their contribution to A. P. Westervelt, Secretary, Toronto, before October 15th. The Secretary will furnish prize-lists and entry forms free of charge to any intending ex-

### UNITED STATES GRAIN CROPS SHORT.

With the single exception of hay, the United States Bureau of Statistics (Oct. 10) reports a falling off in cro's this year, compared with 1906. The corn estimate was not given :

Crop.		1906.
Winter wheat, bush4		492,888,000
String wheat, bush2	16,067,000	242,374,000
Oats, bush	41,521,000	964,905,000
Barley, bush1	47,192,000	178,916,000
Rye, bush	31,566,000	33,375,000
Hay, tons	60,766,000	57,146,000

# THE DUTHIE SHORTHORN SALE

A cable despatch announces that the annual sale of Shorthorn bull calves from the Collynie herd of Mr. great success, the nineteen calves bred at Collynic making an average price of £410 (\$2,050). The average last year was \$1,520.

#### AGRICULTURAL COURSE MAKING HEADWAY AT PERTH.

That agriculture will become a popular branch of Collegiate course at Perth, Ont., is indicated by the fact that there are at present eight boys taking all of the work, and two more taking part of it. Moreover, other boys made application at the beginning of the term who had to be refused admission by reason of insufficient public-school training. No boy of immature years was allowed to take advantage of the fact that Entrance Examination is not required, but was advised first to complete his course in the public school. A few older boys were admitted without entrance stand-

There appears to be considerable demand for short courses in stock-judging, several farmers throughout the County having signified their intention of attending, if such a course could be arranged for. A few older boys and young men have also expressed a desire for a three-months' course on practical subjects during the winter months.

The more progressive farmers throughout the neighborhood, almost without exception, approve and cordially support the scheme. As the project was launched at a busy time of the year, there are naturally very many farmers who have not troubled to inform themselves as to its details; but as the various newspapers throughout the County have given the matter considerable prominence from time to time, there are very few who do not now know something of what is being The Public-school Inspector has been most enthusiastic in taking the matter up, and the local member, Col. Matheson has done much in bringing the matter before the people in public meetings. An attractive exhibit has been made at the various fall fairs, affording an excellent opportunity for drawing attention to the course, for distributing literature, and for becoming acquainted with the people.

The people in general are much interested, and those who do not enthuse over the possibilities of the undertaking are, as a rule, open to conviction of its feasi-

### THE GALT AGRICULTURAL CLASS.

In reply to your inquiry, would say that, as expected, the progress of the movement is slow at first. As yet, no teaching has been done at the Collegiate, but a class of eight or ten is being organized to start in the near future. Most of these are boys still working on the farm, and do not find it convenient to leave till the bulk of the fall work is over; and the course will be so modeled to suit this class of students.

The office and reading-room are now fitted up over Over ten thousand dollars are offered in cash prizes the Sovereign Bank, on Main St., the latter of which is open at all times, and on the table are regularly placed all the leading agricultural papers and bulletins of the Departments at Ottawa and Toronto. The office is also being used as a board-room of the various agricultural societies.

As the scope of the work becomes known, keen interest is being taken. Several sections in the country have expressed a desire for a short course in their locality, such as a weed and seed juding course, course in poultry, etc., and these will likely be organized during the winter months.

The Agricultural, Horticultural, Farmers' Institute and other societies are co-operating heartily, and have given a great deal of help and encouragement. The office and reading-room have been used to some extent by individual farmers, and, when work is started, in the winter months, will no doubt be found very useful. Waterloo Co., Ont. F. C. HART.

## ONTARIO WINTER-FAIR PREPARATION

At a meeting of the Ontario Winter Fair Executive. in Toronto, Oct. 10th, President Arthur Johnston in the chair, good progress was made on the programme of neetings, to begin with Poultry on Tuesday (Dec. 10) Wednesday, a. m., Seeds; p. m., Good Roads night. and Dairy, and a public rally at night. Thursday, a.m. and p.m., Horses; p.m. and Friday a.m., Cattle, Sheep and Swine. Among the topics being arranged for are Colony Poultry Houses; Winter Egg Production; Cow Testing; Sanitary Handling of Milk and Milk Products; Illustrated Judging of Dairy Cows; Economical Feeding; Stallion Inspection and Legislation; Re Dogs Killing Sheep, and Their Valuation. On the road question, the presence is to be secured of D. Ward King, the great road improver of Missouri, and A. W. Campbell, Ontario's Highway Commissioner.

The staff of the Manitoba Agricultural College, Winnipeg, was recently increased by the appointment of J. A. Hand, B. S. A., a native of Dufferin Co., Ont., who graduated from the Ontario Agricultural College in 1905, as lecturer in agriculture, and G. G. White, B. S. A., a 1906 graduate of the O. A. C., as lecturer in physics and chemistry.

The early apples shipped from Montreal during the week ending September 14th brought, on an average, from \$3 to \$5.75 a barrel in the Liverpool market. Prospects for apple prices are strong.

As a result of a meeting of the Ontario Advisory Council of Education, it is understood that many public-school text-books will be reported out-of-date, and will be replaced by more modern publications.