General Quality Of 1935 Seed Crop Is Commented On

All Over Dominion.

By Press and Publicity Division, Department of Agriculture,

Supplies for the seeding of field crops for 1936 must necessarily be derived largely from 1935 seed crops. The year 1935 was unique as regards conditions affecting the growth and maturity of all kinds of seed crops. Early frost together with adverse climatic conditions over a wide area of the Dominion did heavy damage in Western Canada, and one of the worst epidemics of black stem rust seriously affected grain crops of a large section of Manitoba and Saskatchewan.

cereal crops, it may be said that in no part of Canada was the oat ground of many and the control of the contro crop of normal quality. In West- joint arrangement with the proern Canada damage to this crop vincial governments a survey of from frost was more severe and existing organizations was undercovered wider areas than for taken in 1931, with the expectasome years. This applied particularly to the northern parts of made annually or at intervals of all three Prairie Provinces or a few years. The information those districts from which seed thus obtained forms the basis for supply for the southern parts of a permanent record of co-oper-

Saskatchewan are the principal sued by the Dominion Department production sources of barley in Western Canada. Here this crop western Canada. Here this crop suffered from rust and excessive suffered from rust and excessive on the contained in Bulletin 173, previously published. The contents of rain at harvest time. The seed is ously published. The contents of therefore light in weight and of poor color. Barley and oats crops throughout Fraction Court formation received from farmers' hydrogenesis that the latest publication are based on information received from farmers' hydrogenesis that the contents of the publication are based on information received from farmers' hydrogenesis that the contents of the latest publication are based on information received from the contents of the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on information received from the latest publication are based on the throughout Eastern Canada gave great promise during the early canada in 1933 and 1934 and part of the growing season. Un- summarize the business activities favorable weather conditions at of co-operating associations durfilling time, however, so affected ing the crop years of 1932 and these crops throughout large parts 1933. the seed from the standpoint of farmers' business organizations at is the lowest in some years.

Referring to forage crops, timothy seed was of first importance velopment of co-operative enterquality because of interrupted maintained average quality than that of any other forage crop. ists. Much good seed is available. but the usual supply of sound, plump, vital seed of cereals especially was not produced in 1935.

Progeny Test Has mental Farms are subjected to required. this test. Thus the cockerels used For the Very High Place In

Work on This Subject Has weight. Been Going On For Some Time.

Department of Agriculture,

gress report just issued by the Dilets some may be very good layers daughters is very high.

2 AGRICULTURE 2

Adverse Conditions Existed Survey Conducted On Co-Operative Farmers' Business

Branch Founded in 1929 To Encourage This Movement.

By Press and Publicity Division, Department of Agriculture,

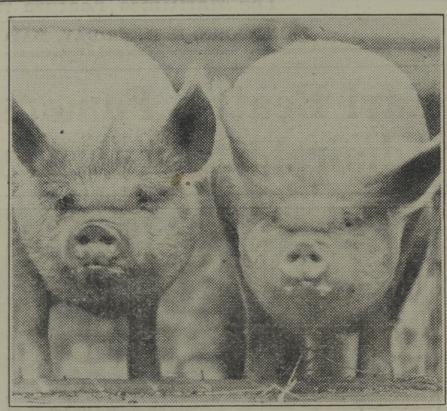
When the Agricultural Economics Branch was established within the Dominion Department of Agriculture in 1929, the object To make specific reference to of one phase of its work was to these provinces, as well as other parts of Canada, is usually drawn.

The Provinces of Manitoba and Sandard Provinces of Manitoba and Sandard

The records obtained from kernel weight or body of sample present on the active list show that during the latter part of the last century and up to 1915 deserving local areas.

through their daughters' produc- winter rate, and have low mor- core or stippen. breeding on the Dominion Experi- uary or February.

DESTINED FOR ROYAL PIGGERY



Looking very serious, probably because of their new-found importance, these two Middle White Gilts are photographed as they prepared to leave the British Home Counties Pedigree Pig Breeders' Association Srow en route to the Royal Farms at Windsor. King Edward VIII. purchased the pigs from H. Whitworth Hall.

Orchard Care It is generally accepted that the home is the first and best place Maintenance

tilizer Necessary, Experiments Reveal.

> By H. HILL, Division of Horticulture,

sulted in two distinct qualities of seed, the late crop, which constituted the bulk of the production in business by farmers has made steady growth in numstituted the bulk of the production resulted in two distinct qualities of should get in touch with their niture, pools, rock gardens, the kind of shrubs, plants, trees that officer and arrange for immediate of production resulted in two distinct qualities of should get in touch with their niture, pools, rock gardens, the kind of shrubs, plants, trees that officer and arrange for immediate tion, being of lower than average quality because of interrupted co-operative organizations now and the yellowing and scorching parts of the Dominion, with plans hold an integral position in the of the leaf margins due to lack and illustrations. The time of the was of very small volume and movement of farm products to of ample potash. A general lack year is rapidly approaching when market and the purchase of farm of vigor brought about by a the noblest of pursuits—gardenmuch below average especially with respect to weed especially with respect to the respect to important place in the field of not serious since it may be quickcontent. Alfalfa seed production in 1935 was of negligible proper. The activities by corrected by the application cially with nitrogen since the cold water or a very thin solution cially with nitrogen since the cold water. This will in 1935 was of negligible proportions. Sweet clover more nearly of the larger organizations, such of an available nitrogenous fertilities belong the larger organizations, such of an available nitrogenous fertilities by corrected by the application clarity with introgen since the of sugar and water. This will not such soils the limited quieten the bees after their long as the wheat pools, livestock and izer but it may take several years upset. On such soils the limited quieten the bees after their long fruit co-operatives have reached to correct a condition of debility root development will not permit journey. During the late aftera high stage of development, and caused by a deficiency of phos- the carrying of an extremely vig- noon or early evening, the bees However, it must not be inferred have received world-wide recogni- phorus or potash. The amount orous top bringing about condishould be released from the packthat an acute seed situation exists. Much good seed is available to the seed is available to t are hundreds of comparatively depends upon the amount of resulting in corky core and bitter ment of package bees is accomsmall organizations which are available potassium present since pit. In many instances these panied with full instructions for working quietly and effectively in there is a direct relationship be-troubles have been found on releasing the bees. These should tween these elements. The more alkaline soils high in calcium or be followed carefully. Bee-keepnitrogen fed the more potassium lime. On such soils avoid alkal- ers who have combs of honey

for breeding are kept until the mended that orchards which are a potash fertilizer. following breeding season and in a good state of health should rated on their progeny according receive annual applications of Poultry Breeding to: 1. The fertility and hatch-about 200 to 300 pounds of 16 per cent. superphosphate and 150 and uniformity has been secured to be fed until such time as they per cent. superphosphate and 150 and uniformity has been secured to be fed until such time as they per cent. Superphosphate and 150 and uniformity has been secured to be fed until such time as they per cent. Superphosphate and 150 and uniformity has been secured to be fed until such time as they per cent. Superphosphate and 150 and uniformity has been secured to be fed until such time as they per cent. at the Dominion Experimental rom ten to 50 per cent., or more, nitrogen. Where it is desired to vestigations. Farms, is mentioned in the pro- Males whose progeny have a high employ a complete fertilizer one death rate are not used a second containing nine per cent. nitrovision of Poultry Husbandry, year, neither are their sons, even gen, five per cent, phosphoric acid

level fertilizing is dangerous espetiained.

to practice charity, so the home should be the first centre of beauand no better start can be made in this direction than by beautifying the home grounds. Annual Applications of Fer- For those who have a desire to will soon be coming into Canada

ine carrying fertilizers and em- saved from the previous year's this test. Thus the cockerels used For these reasons, it is recomploy relatively higher amounts of crop are fortunate, in that the

BREEDING PROGRAM

tality; 3. egg production up to to 200 pounds of muriate of pot- at the Dominion Experimental are able to secure sufficient food January or February; 4. egg ash per acre. The amount of Farm at Fredericton, New Bruns- from the fields. nitrogen supplied should be varied wick, in the constructive breeding Males that give poor fertility according to the growth and foli- program which has been under they should not be disturbed for and hatchability are not used a age color of the trees. Good- way with a herd of Holstein and at least a week, other than to resecond year. Such males are sized leaves of a reasonably dark Ayrshire cattle. Cost of product move the empty package and reculled after the first breeding green color and five or six inches tion studies are being continued place it with comb or foundation, season. The range and adult mor- of sturdy twig growth on full and the herd used in connection and to see that the queen is re-The progeny test, as carried out tality of different males may run bearing trees indicate sufficient with the pasture improvement in- leased from her cage. She should

FERTILIZERS

Among a group of full-sister pullif the production of the surviving and seven per cent. potassium Provincial Fertilizer Boards in the they are in the hives usually lets some may be very good layers daughters is very high. and others very poor, explains the The males chosen for second- however, to apply nitrogen when been completed and are obtain- queen, and many a promising report. The same is true of the year breeding work, together with the color of the foliage indicates able from the Provincial Depart- colony has been ruined through transmitting ability of full broth- their sons, are those whose the necessity since excessive vigor ment of Agriculture in each prov- excessive curiosity. Methods of ers. Males cannot be judged daughters come into production may bring about poor keeping ince. Farmers and gardeners who installation and care of package however, with any degree of cer- at from six to seven months of quality and induce various physio- are considering buying fertilizers bees are given in Pamphlet No. tainty except by testing them age, lay at a good and uniform logical disorders such as corky will find it to their advantage to 107, a copy of which may be had adopt these recommendations so free upon application to the Pub-This is known as the pro- ality and egg weights that aver- In the case of shallow-rooted that the most satisfactory results licity and Extension Branch, Dogeny test, and all males used for age around standard size by Jan- trees on compacted subsoils high in crop production may be ob- minion Department of Agricul-

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WASSONS DRUG STORES

Package Bees Soon To Arrive In Canada From The U.S.

Special Care Required Until They Are Well-Established.

By Press and Publicity Division, Department of Agriculture, Ottawa, Ontario.

Thousands of packages of bees make their home surroundings a from the Southern States and joy to themselves and all who see they will be expected to build up them the booklet "Beautifying into good honey-producing colthe Home Grounds of Canada," onies by the time the main honey will prove a helpful and encourflow from clover is ready to be aging document. A limited num- harvested. To do so, however, othy seed was of first importance in 1935 as regards yield, but the quality was somewhat impaired through loss of color and excessive hulling, the result of rain at harvest time and over-ripening. Red Clover seed production resulted in two distinct qualities of sulted in two distinct qualities of and up to the present time, or-

> As soon as the packages are received, they should be put in a cool, shady place and the screening of the packages sprinkled with bees may be released on them and extra feeding eliminated. If dry combs or only foundation, are Further improvement in type available, then the bees will have

> After the bees are installed. be released within 36 hours after installing the bees. Unnecessary disturbance of package bees for The recommendations of the the first two or three weeks after lure, Ottawa.