CIHM Microfiche Series (Monographs)

ICMH
Collection de
microfiches
(monographies)



Canadian Institute for Historical Microreproductions / Institut canadian de microreproductions historiques

(C) 1997

## Technical and Bibliographic Notes / Notes techniques et bibliographiques

	14x		18x		22x		26x	TT	30x	
	14~		744		434344		The same		00-	
tem is filmed at the	e reduction r	atio checke	iqué cl-des	sous.						
Additional com	iments /									
within the text. omitted from file blanches ajo apparaissent d	Whenever ming / II se outées lo lans le text	possible, peut que pres d'une rs d'une te, mais, lo	these have certaines restau orsque cel	e been pages ration		colorations	variables	ou des d	écoloration	ons son
interior margin	/ La reliui	re serrée	peut cau	ser de		Opposing discolourat	pages w ions are fil	ith varyIn	g coloura to ensure	the bes
Seule édition d	lisponible	for drawn as				partielleme pelure, etc.	nt obscurci	es par un fo Imées à no	euillet d'er ouveau de	rata, une
		ments				tissues, etc	., have be	en refilmed	to ensure	the bes
									1/	
				ire)						
				ouleur		Showthrou	gh / Trans	parence		
									•	
					7					
Couverture en	dommagée									
						Pages dan	naged / Pa	ges endom	magées	
						Coloured p	ages / Pag	jes de coul	leur	
available for fill be bibliographic images in the	iming. Fea cally unique e reprodu	atures of e, which r uction,	this copy may alter or which	which any of may	été plair ogra ou c	possible de le qui sont p aphique, qui peuvent (	se procure eut-être u peuvent m exiger une	er. Les dé niques du odifier une modificati	tails de c point de v image re on dans l	et exenvue blb eproduite a méthe
	avallable for filbe bibliographic languages. In the filcantly change ked below.  Coloured cover Couverture de Covers damage Couverture en Covers restore Couverture restore Couverture restore Couverture restore Couverture de Coloured lank (I Encre de coule Coloured plate Planches et/ou Bound with oth Rellé avec d'air Only edition au Seule édition d'air Tight binding minterior margin l'ombre ou de intérieure.  Blank leaves a within the text. omitted from fil blanches ajournaissent opossible, ces paraissent compossible, ces paraissent commentaires de la filmed at the tem le filmed at the tem l	available for filming. Fe be bibliographically unique Images In the reprod ficantly change the usual ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Covers restored and/or la Couverture restaurée et/a  Cover title missing / Le tit  Coloured maps / Cartes a  Coloured ink (i.e. other the Encre de couleur (i.e. aut)  Coloured plates and/or ill Planches et/ou illustration  Bound with other materia Rellé avec d'autres docum  Only edition available / Seule édition disponible  Tight binding may cause s interior margin / La reliu I'ombre ou de la distors intérieure.  Blank leaves added durin within the text. Whenever omitted from filming / Il se blanches ajoutées lo apparaissent dans le text possible, ces pages n'ont  Additional comments / Commentaires supplément  tem la filmed at the reduction re	avallable for filming. Features of be bibliographically unique, which is images. In the reproduction, officantly change the usual method ked below.  Coloured covers / Couverture de couleur.  Covers damaged / Couverture endommagée.  Covers restored and/or laminated / Couverture restaurée et/ou pellicul.  Cover title missing / Le titre de couleur.  Coloured maps / Cartes géographical.  Coloured ink (i.e. other than blue of Encre de couleur (i.e. autre que ble.)  Coloured plates and/or illustrations. Planches et/ou illustrations en couleur.  Bound with other material / Rellé avec d'autres documents.  Only edition available / Seule édition disponible.  Tight binding may cause shadows of interior margin / La reliure serrée. I'ombre ou de la distorsion le lou intérieure.  Blank leaves added during restorative within the text. Whenever possible, omitted from filming / II se peut que blanches ajoutées lors d'une apparaissent dans le texte, mais, le possible, ces pages n'ont pas été for Additional comments / Commentaires supplémentaires:	available for filming. Features of this copy be bibliographically unique, which may alter Images in the reproduction, or which ficantity change the usual method of filming the december of the content o	avallable for filming. Features of this copy which be bibliographically unique, which may after any of images in the reproduction, or which may ficantly change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Covers restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured maps / Cartes géographiques en couleur  Coloured link (i.e. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire)  Coloured plates and/or illustrations / Planches et/ou illustrations en couleur  Bound with other material / Rellé avec d'autres documents  Only edition available / Seule édition disponible  Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure.  Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from filming / II se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.  Additional comments / Commentaires supplémentaires:	available for filming. Features of this copy which be bibliographically unique, which may alter any of images in the reproduction, or which may filcantly change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Covers restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured ink (i.e. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire)  Coloured plates and/or illustrations / Planches et/ou lilustrations en couleur  Bound with other material / Rellé avec d'autres documents  Only edition available / Seule édition disponible  Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure.  Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from filming / Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.  Additional comments / Commentaires supplémentaires:	available for filming. Features of this copy which be bibliographically unique, which may after any of images in the reproduction, or which may ficantly change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Covers restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured maps / Cartes géographiques en couleur  Coloured ink (i.e. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire)  Coloured plates and/or illustrations / Planches et/ou lilustrations en couleur  Bound with other material / Rellé avec d'autres documents  Only edition available / Seule édition disponible  Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure.  Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from filming / Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.  Additional comments / Commentaires supplémentaires:	avallable for filming. Features of this copy which be bibliographically unique, which may alter any of images in the reproduction, or which may fleantity change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Cover restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured ink (i.e. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire)  Coloured plates and/or illustrations / Planches et/ou illustrations en couleur  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées, ta  Pages décolorées, ta  Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Coloured pages / Pages décolorées, ta  Pages décolorées	available for filming. Features of this copy which be bibliographically unique, which may alter any of images in the reproduction, or which may ricardly change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Couverture endommagée  Covers restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured maps / Cartes géographiques en couleur  Coloured link (Le. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire)  Coloured plates and/or illustrations / Planches et/ou illustrations en couleur  Conty ditton available / Seule édition disponible  Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure.  Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from filming / Il se peut que certaines pages blanches a joutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.  Additional comments / Commentaires supplémentaires:	be bibliographically unique, which may alter any of Images In the reproduction, or which may ilicantly change the usual method of filming are ked below.  Coloured covers / Couverture de couleur  Covers damaged / Covers damaged / Covers restored and/or laminated / Couverture restaurée et/ou pelliculée  Cover title missing / Le titre de couverture manque  Coloured maps / Cartes géographiques en couleur  Coloured plates and/or illustrations / Planches et/ou illustrations en couleur  Bound with other material / Rellé avec d'autres documents  Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure.  Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from filming / Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.  Additional comments / Commentaires supplémentaires:

The copy filmed here hes been reproduced thenks to the generosity of:

Library Agriculture Canada

The images appearing here are the best quelity possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Originei copies in printed paper covers ere filmed beginning with the front cover and ending on the last page with a printed or illustreted impression, or the beck cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, end ending on the lest page with a printed or illustrated impression.

The last recorded frame on each microfiche shell contain the symbol → (meaning "CONTINUED"), or the symbol ▼ (meaning "END"), whichever applies.

Maps, plates, cherts, etc., may be filmed at different reduction retios. Those too larga to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as raquired. The following diagrams illustrete the method:

1 2 3

L'exempleire filmé fut reproduit grâce à la générosité de:

Bibliothèqua Agriculture Canada

Les imeges suiventes ont été reproduites evec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité evec les conditions du contrat de fiimage.

Les exempleires originaux dont la couverture en papler est imprimée sont filmés en commençent par le premier plat et en terminant soit per la dernière page qui comporte une empreinte d'impression ou d'iliustration, soit per le second plet, seion le cas. Tous les autres exempleires originaux sont filmés en commençent par la première page qui comporte une empreinte d'impression ou d'iliustration et en terminant par la dernière page qui comporte une tella empreinte.

Un des symboles suivants epparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole → signifie "A SUIVRE", le symbole ♥ signifie "FIN".

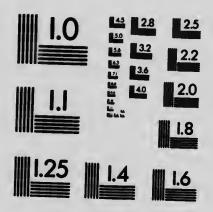
Les cartes, pianches, tabieeux, etc., peuvent être fiimés à des taux de réduction différents.
Lorsque le document est trop grand pour êtra reproduit en un seul cliché, il est filmé à pertir de l'angle supérieur geuche, de geuche à droite, et de haut en bas, en prenant la nombre d'imeges nécessaire. Les diegremmes suivents illustrent la méthode.

2

1	2	3		
4	5	6		

## MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No. 2)





APPLIED IMAGE Inc

1653 East Main Street Rochester, New Yark 14609 USA (716) 482 - 0300 - Phone

(716) 288 - 5989 - Fax

## Ontario Department of Agriculture

FRUIT BRANCH.

## Bee-Keeping in Ontario

ARRANGED BY MORLEY PETTIT, PROVINCIAL APIARIST.

The information contained in this report has been taken from answers to questions sent out in a circular, dated May 15th, 1910, to our mailing list of bee-keepers in Ontario. This list is by no means complete; but it is being added to from time to time as names come in from various sources. We hope that bee-keepers who may not have received blanks for report in May will send their names to this department asking that they be added to the mailing list. For this purpose one who has only one hive of bees is quite as much a bee-keeper as one who has a hundred hives.

Report blanks were sent to two thousand one hundred and seventy-five bee-keepers. Reports were received from four hundred and eighty-eight. Seventy-eight per cent. of those who received blanks did not take the trouble to fill them out. The result is that the status of bee-keeping can be only very roughly estimated. While we have inadvertently failed to send blanks to some of the most extensive bee-keepers owing to the incompleteness of our lists, and a reorganizing of this part of the work, the value of this report is much less than it would be if the rank and file of the bee-keepers would take the trouble to supply a little information when requested.

The counties which have local associations have almost invariably sent in the most and best reports, showing the value of the spring meetings in arousing interest.

The information obtained with reference to local soil and drainage conditions will not be given in this report. It is being reserved until fuller information can be secured, when a special bulletin will likely be prepared. The relation between the nature of soil and the honey produced by plants growing on it is very marked, and presents a problem for careful research.

The summer honey plants reported are uniformly white and alsike clover. Basswood is reported from many of the counties although it does not form the staple source of nectar that it did some years ago. Raspberry bloom is reported as a honey plant in the counties of Bruce, Mus-

koka, Glengarry, Perth, Prescott, Renfrew, and York Alfalfa is being introduced into many of the counties, but its value a honey plant in Ontario is very problematical. It does not seem to yield nectar to any extent outside of the irrigated lands of the West. Even if it did the custom of cutting for hay when only one-tenth in bloom would practically destroy its value as a honey plant. Thistle bloom is one of the ill winds of the careless farmer which blows the bee-keeper some good, but improved methods of farming are limiting this source—fortunately for the general good. Withal, our most dependable source of white honey is alsike. Where this is grown extensively for seed on a good stiff clay, well-kept apiaries are practically certain to yield a splendid average income from year to year.

The prospects for honey this season so far as the honey flora is concerned are almost uniformly fair to good all over Ontario. The following counties report prospects "Poor to Fair": Carleton, Dufferin, Durham, Essex, Grenville, Haldimand, Kent, Lennox, Middlesex, Muskoka,

Prescott, Simcoe, Stormont, Welland, Wentworth, York.

There is a variety of fall honey plants. Buckwheat, of course, is the staple, and is growing in popularity from year to year. Next to it is goldenrod, beneset, and some aster. Second crop red clover yields surplus gathered by some strains of Italian and Carniolan bees. Sweet

clover gives considerable surplus in some sections.

The total number of colonies reported for the fall of 1909 is 18,445, for June 1st, 1910, it is 16,729. Roughly calculating from the percentage of bee-keepers who sent reports, one would be well within the limit in stating that there are 100,000 colonies of bees in Ontario this spring. The average number of colonies owned by those who reported is 34.3 each, spring count. Bees have wintered very well. The 9.3 per cent. loss given by those who have reported is quite light, as some of the most extensive specialists count on an annual 10 per cent. loss in wintering.

Much of the winter loss is not definitely understood, owing to the limitations of our actual knowledge of bee-nature. The reasons given in the rerestory loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, loss of queens, late weak swarms, starvation, dysentery, foul brossentilation of the hive or cellar, dampness in hive or cellar, late weak swarms, starvation, dysentery, late weak s

The condition of bees is very similar all over Ontario. The very warm weather early in March set up breeding and made the colonies strong early in the spring, but very short of stores. This shortage of supplies and the unfavorable weather later cut down breeding, much brood and even whole colonies starved, but not until in some cases a little epidemic of swarming sent many premature swarms out to suffer or starve in their new hives. Those who gave their bees one-quarter as much attention as they would give other live stock fed them sugar syrup, and will probably reap dollars for dimes in the clover honey season. In

many cases it will take bees at least two weeks into the clover flow to

get ready for work.

The proportionate number wintered in cellars and outdoors varies greatly with the latitude. In all the southern and western counties outdoor wintering predominates, while in the north and east cellars are more popular. Some few repositories built above ground are used, but these do not as a rule give as good satisfaction as the underground cellar well darkened and ventilated. Bees were removed from cellars earlier than usual this year because the excessive heat in March made it impossible to keep them comfortably cool in the cellars. This matter of maintaining a proper temperature is one of the chief difficulties in cellar wintering. A few warm days in March make it necessary to set the bees out, then they suffer in their unprotected hives through weeks of bad weather afterward. The only way to winter bees in the average cellar is to pack and shelter them warmly after setting them out. This the vast majority of bee-keepers will not do, so we recommend packing them warmly on their summer stands in October, for all except the more northerly counties.

Without knowing what extenuating circumstances there may have been in some cases, we would judge that many who wintered outdoors unpacked their hives too early. There seems no reason why bees comfortably packed on their stands should be stripped and exposed to the inclement weather of April and the first half of May. Packing cases should be made so that a super could be put in the hive if necessary before it is unpacked. In fact, many leave the hives in the wintering cases all summer. If the cases are individual this method has some advantages, but where six or eight are in a case it is decidedly objectionable, both from the standpoint of convenience of handling, and the distribution of disease which may be in the yard. Bee-keeping in some of the best counties of Ontario is greatly hampered by men clinging to these antiquated hives, when a single honey crop would more than pay for convenient modern appliances.

Very little disease was reported. Men are not usually proud of its presence in their apiaries, although the disgrace is not in finding it present but only in failing to seek to get rid of it. The Ontario Department of Agriculture is spending \$3,000 this year in a continuation of the fight against Foul Brood. There are sixteen district inspectors in the field and their reports show that there is plenty of work for them to do. All suspected apiaries are being visited first, and any bee-keepers wishing to clear up doubts as to the presence of this disease in their neighborhoods should send word to the Department of Agriculture at an early date. It is quite natural that those who send a special request for the services of the inspector will be more apt to get them than those who do not.

The report on the races of bees shows far too great a percentage of black or German bees kept throughout the rovince. While these bees have many good qualities they are no better than the Italians in any respect except possibly in the whiteness of capping on comb honey, and

they are a sure prey to the European Foul Brood which has swept so disastrously over many parts of the United States and has done great damage in some parts of Ontario. It is impossible to cure this dread disease so well in any except Italian bees. On this account, as well as for other reasons, we would urge strongly that all apiaries in Ontario be

Italianized as soon as possible.

All kinds of hives are used, from the "barn" down through the list of the twelve-frame, ten-frame, eight-frame Langstroth, the Jones, Richardson, Gallup, Quinby, and home-made. Only one man was brave enough to say he used box hives, and the number of combs, he said, was "Goodness knows how many I con't." After all, the kind of hive for one to use is the kind he has the best success with, but when one is just starting or is seeking uniformity of fixtures there seems nothing to gain and much to lose by adopting a hive which is a little different from

everything under the sun.

The chief difficulties which bee-keepers have can be summed up in the two great problems of apiculture—swarm control and wintering. In many cases the trouble is summed up in the words of one man who said his chief difficulty was to "get the old woman to watch for swarms." The interest that is taken in this problem of swarm control is shown by the fact that when the Department of Bee-keeping at the Ontario Agricultural College sent out notices that instructions would be supplied to all who cared to conduct an experiment in the control of swarming, more than three hundred and twenty-five men and women from every county of Ontario, and from other provinces from the Atlantic to the Pacific, made application for the circular of instructions on this important subject.

A great many stated that they had not time to give the bees attention because their busy time came at the same time as the heavy work on the farm. The solution to this difficulty is to have plenty of store combs and supers. Stack these on the hives from time to time as needed, and systematically keep the bees busy and contented so they will not think of wanting to swarm, then neither the "old woman" nor the old man will be worried getting arms down from high trees, or seeing them go to

the woods.

The wintering problem needs to be just as carefully studied. No colony ever dies without a definite cause, which should be carefully sought out and prevented next time. Plenty of good stores, good queens, warm packing, shelter from winds, all these and many others are factors in successful wintering. If the bees are always prepared for the hardest kind of winter they will get through the easy ones all right.

Prospects are right for prices this year as the markets are bare and honey has become a staple which dealers look for regularly. Blanks will soon be sent out by the Committee on crop reports and prices. It is to be hoped they will meet with a hearty and prompt reply by all who

receive them.

The following reports are summarized directly from the statements received:

o t d r e

County.	Per Cent Winter Lower.	CAUses,	Per Cent Cellar Wintered.	Dates Removal from Callar.	Per Cent Outdoor Wintered.	Dates Re- moval of Packing.	Nature of Winter Steres.	
Brant	3-5	Mice and starva	34	March 22.	06	May 5.	Some sugar	
Bruce	8	Poor queens, weak swarms,	67	March 15 to April 13.	33	May 16 to May 20.	syrup. 42 per cent fed sugar syrup.	
Carleton		Starving and foul	83	March 28 to	17		. 40 per cent fed	
Dufferin	11	Poor queens.	82	April 10. March 25 to March 28.	18		engar. Honey and	
Dandas	4		79	March 28, March 20 to	21		some syrup.	
Dnrham	10		60	April 15. March 20.	40			
Elgin	21	Robbing, poor queens, and starvation.	83	March 20 to April 1.	77	April 1 to June 3.	sugar syrup. 34 per cent fed sngar syrup.	
E460X	13	Starving, honey dew, dysentry late swarms.	• • • • • • •		100	Apri. 15 to May 17.	Fed sugar syrup.	
Glengarry		Poor queens and	100	March 20 to April 22.				
Grey	. 14	Robbing. Poor queens.	100 37	April 15. March 23 to April 23.	63	March 6 to	Honey. 50 per cent fed	
Haldimand .	10	Starvation.	7	April 4.	98	March 25. May 1 to May 17.	sugar syrup sper cent fed sugar.	
Hastings		Old queens and	100	March 28 to	•••••	230, 11.		
Huson	. 7	lateswarms. Poor queens, starving, en- trance clogged with dead bees.	26	April 1. March 24 to April 5.	74	April 20 to May 23.		
Kent	. 3	Starving, winter killed.		• • • • • • • • • • • • • • • • • • • •	100	May 20.	Syrup and	
Lambton	81	Starvation, late swarms, dys- entry, poor ventilation.	9		91	April 15 to May 24.	honey.	
Lanark	. 8	Poor queens, late swarms, spring dwindling.	100	March 25 to April 15,			Honey and syrup.	
Leeds	. 5	Poor queens and	100	April 1 to April 20.				
Lennox	4	Rebbing.		April 40.	100	May 6 to May 12.	Honey.	
Lincoln	. 20	Poor queens and sprint dwind-	• • • • • •	•	100	May 20.		
Middlesex	. 12	Poor que me.	43	March 1 to	57	May 1 to		
Muskoka	. 15	Starvation and	100	April 12 March 28 to		May 25.	Syrup.	
Niplesing Die		queenlevences.		April 8.				
trict Norfolk	. 16	bon at	27	March 28. March 5.	73	May 1 to May 25.	Moetly honey	
Northumber- land	4.4	Spri	100	Manch Co.				
	1	Late and poor 4	100	March 30 to April 15.			. 64 per cent sugar syrup	
Ontario	5	Moths, wing, poor queens. foul broad and amotheris	54	March 25.	46	April 15 to May 15.	26 per cent fee angar syrup	
Oxford	. 14	Starving, he warma, which windling, pure queens.	63	March 25 to April 1.	37	April 28 to May 9,	39 per cent fee sugar syrup	

-						0 .					
County.		For Cont Winter	Causer	Per Cent Callas	Date moval		Re- from		Datas mova Pack		Nature of Winter Store
Peel		7 8	tarving spring dwindling, poo queens, robbing arving, spring			March 22 to April 1.	1	31	May 20 4	me	47 per cent fe
Porth	•••		Windling		5 1	farch 19 to		35	packed summe		saget syru
Prince	•••	8 Pe	poor queens, or queens, itarving,	10	0 1	April 1.			Mayels.		50 per cent for sngar spru
Edward		5 84	arving and mos-	100	.	April 8.			*********	•••••	39 per cent fe sugar.
Renfrew		7 84	Pring, disease			April 1. April 27 to	1	11	••••••	•••••	66 per cent fe
Russell	1	I Po	or queens, rob-	100	- 1	April 15. Arch 28 to		1	•••••	•••••	sugar syrup sugar syrup
Simooe	1	Po	or queens and	33	M	April 10. Arch 19 to		57 A	· · · · · · · · · · · · · · · · · · ·		bar cout to
Stormont .	10		bbing.	100	1	March 36.	'		lostly left packed a summer.	11	is per cent for
Temiscamin Victoria	E . 13	Tar	Took to a se	100		April 25, oril 15,	·····	••••		6	d per cent fee
Waterloo		at	Arving moths	31	Mi	rch 28.	0	o M	oetly left packed.	]	sugar syrup. loney. 8 per cent fed
		16	queens and ring dwind-	1k	Via.	reh 15 to	8	* IM	AV IS to		ongar syrup.
Wentworth	. 14	Offi	ving and poor	90	Ma	reh 26 to	10		May 28. ay 15.		sugar syrup.
York		Fou	ving. brood, stary-	43 28	Ma	reh 22. reh 12 to arch 23.	57 72	M	May 15. May 16. My 10 to	90	per cent fed angar syrup. per cent fed sugar syrup. per cent fed
County.	No. of Beekeepers		Honey Pla	r nte.		Fali Honey Plant	te.	P	Cror respects.		Conditions of Bees.
Brant Bruce	38 115	32		rood. leike rood,	Buck Buck rod.	wheat, ince	rne.	Fair Fair	to good.	Loc	od.
Carleton Dufferin	24	7	Clover, base	rood.			lden.	Poor	'air.	80	ood.
Dundas	11 24	3	Clover.		Fod, Buck Fod.				togood.	Goo	a. to good.
Durham	3	2	Clover.	1	Aster	goldenrod.	Are-	Fair	to good.	Good	
Elgin	59	18	White clow	00d. E	rod.	wheat, gol	den-	Good		Good	
			White olovalsike, basewithineweed, change, fruit hio White and all	ood,	rod.	wheat, gold	den-	Fair (	o good.	Str	ong hut
Resex	61	17				nrod, aster		Poor 4	o fair.	sto	res.
renville	73	15	Clover, beeswo	od, B	nuck	wheat.	- 1			Only	d. fair to
Pan ville	4	1	Clover, basswo alsike.	.  -		rheat.	1	good	fair to	PAIR	to good.

od p. d dad d

County. County. No of Returns.		Summer Honey Plants	Honey Plants.	Crop Prospecta.	Cot. littons of Boss.	
Haldimand	. 39	7	Alalke, whit	e Buckwheat, golde	n. Fair.	Good.
Hastings		1	Alelke, whit slover, basewood Clover, basewood Alalke, whit clover, ewee		Good. Fair to good.	Good. Good.
Huror		18	clover, basswood	i. Buokwheat, golder	Coly fair t	Fair to me
Kent	1	5	Alaike, basswood white clover.	Buckwheat.	Poor to fair.	good. Poor to ver
Lambton		21	White Alaik		Only fair to	good.
Lanark	20	6	Clover, Dasswood	l. Bnckwheat, golder	TODA .	Good to ver
Loods	79	12	White and alelk		Fair io good.	good,
Lennox	22	5	clover, basswood Clover, basswood White and aleik	. Buckwheat. e Goldenrod.	Falr. Good.	Excellent.
Middlesex		57	Alsike and white	Ruckwheet	Poor to fair.	Fair to good.
Mnskoka	2	2	clover, basawood Wild raspberry clover,	Goldenrod, wild aster		Fair to good.
Nipiesing	2	i	Clover, dendellon wild flowers.		Fairly good.	Good.
Norfolk	219	24	Aleike and white	Buck wheat, golden	Fair to good.	Poor to fair.
Northumber-			besswood.			
land	100	15	Clover, basswood als ke, thintle.		Fair to good.	Fair to good.
Oxford	81	14	Ciover hasswood	Buckwheat.	Only fair to	Fair to good.
Peel	37	27 15	clover, hasswood	wheat.	Good.	Fair to ex-
Perth	111	29	White clover al-lke, basswood.	rod.	Only fair to	cellent. Fair to good.
Prescott			basswood.		Fair to good,	Cair to good.
Prince	33	10	Clover, basswood, raspberry.	Goldenrod.	Fair.	Fair to good,
Edward	11	6	Ciover, basswood,	Buckwheat.	Fair to good.	Good.
Renfrew	31	12	Alsike, raspberry,	Buckwheat, golden- rod, iate clover.	Fair to good.	Fair to good.
Rus:ell	29	5	Clover, basswood.	GOLDHIEDE, DECK.		Good.
Simcoe	56		Clover, basswood, thistle.		Poor to fair	
Stormont	28		Alsike and white clover, basswood.	Buckwheat.	und Rood.	Good.
Temlecaming. Victoria	28		CIOVER.	None, Buck wheat	Good.	Good.
Waterioo	33		Alsike and white clover, basswood. White and alsike	None.	-	Fair to very good.
Welland	15	3	Alsike and white		D + + +	Fair to gove.
Wellington Wentworth	00	0	ciover.	A little huckwheet		Good.
	66	6	aisike, white and sweet clover,	A little huckwheat. None.	Fair to good. Fair.	Fair to good. Good hat short of stores.
York	198	21 (	basswood. Clover, basswood, raspberry.	The state of the s	Fair.	Fair to geod.

