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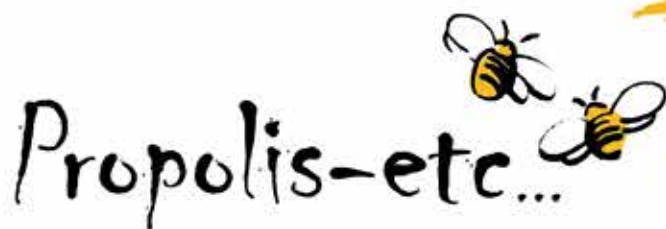
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Table of Contents

3	2020 CHC Directors	
5	Canadian Honey Council Report	Rod Scarlett
7	Regional Reports	CHC Directors
12	Bee Sales Database	Canadian Honey Council
15	Country Fields Beekeeping Supplies Expands	Tim Purdy
17	The Honey Bee Research Centre	University of Guelph
19	International Honey Market.....	Ron Phipps
24	Honey Supplier Database.....	Canadian Honey Council
27	Beekeeping Together with Agriculture.....	Canadian Abstracts
28	Production and Value of Honey	Statistics Canada
29	Help Wanted	

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Canadian Honey Council Report



Rod Scarlett, Executive Director, CHC

With the coming of the New Year comes a big change-over in the Board of the Canadian Honey Council. Gone are Allan Campbell, Neil Specht, Terry Greidanus, Bernie Rousseau and Scott Plante. That is a lot of turnover but as they say, change is good. I want to thank each of them for their time and work on the Board. That being said, two of them have been mainstays on the Board for a long time. Bernie Rousseau came on the Board representing BeeMaid in 2012 and has provided wisdom and guidance, particularly as it pertains to marketing and promotion. His insights and recommendations will be hard to replace. Scott Plante is the only Board member who has served since I started working for the CHC in January of 2011. Scott was instrumental in getting the Quebec beekeepers to rejoin the CHC and for past nine years has worked tirelessly in promoting Quebec's interests in cooperation with the national interest. He was there when the CHC made the bid for Apimondia and he was there to see it successfully hosted. He has provided sage leadership to the CHC serving in various executive capacities, ultimately serving as Chair for the past two years. To all those leaving, thank you and to the new Board members welcome aboard.

A number of issues will be on the table for the new Board, not the least of which is a honey crop that was significantly below av-

erage in a majority of the country. The production decrease that a number of producers experienced will have a significant impact on operations this spring, and the Board will have to investigate ways to help offset the cash shortage that will no doubt occur. Government programming represents one possibility, but others do exist.

Last year's Board paid particular interest in promoting international honey sales, trying to move away from our dependence on the US market. To some degree that has already started and this year the CHC will be attending a number of trade shows promoting Canadian honey to the world. In addition, there will also be attempts to promote more interprovincial sales of domestic honey. Increasing demand of the high quality product and selling at top market prices is good for all beekeepers.

Last year the CHC hosted a very successful Apimondia congress that consumed a lot of time and energy. But, perhaps even more important than Apimondia was the negotiations to get fumagilin back on the market. Working with Vita Bee Health, fumagilin was reintroduced to the market in September and the shelves will be fully stocked for the spring.

As always, your feedback and input is always welcomed. Please feel free to contact your provincial CHC representative or don't hesitate to contact me. Wishing all a great 2020. ■



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Regional Reports



Maritimes



Mario Swinkels

Well another season has come and gone and winter so far has been the regular ups and downs. Everyone should be gearing up for a new season by the time you read this. Have a great season everyone.

Some important dates for the winter months. Nova Scotia Beekeepers AGM and Ministerial meeting Is February 21-22. New Brunswick AGM is the first weekend in March and PEI is Scheduled for mid March. Check local association

web pages for more details (NFLD AGM was held in Nov). You always learn something at these meetings and it is wonderful to just have conversations with other beekeepers.

Well it looks like some new counties will come on line for importing Queens, but there are many logistics that come into play as evident from the number of complaints about queens imported into Atlantic Canada in 2019. Weather is a huge factor for mating but if you were fortunate to hear Shelly Hoovers talks on the work she has done on viability of queens, many other factors can come into play. Heat. Food and time in travel all play a big factor in the quality of the queen when she arrives. Some of the new counties have experienced Bee movement. For instance Malta has already shipped to France and other European countries with good success. Hopefully with all the work being done on overwintering queens we will become less reliant on these imports.

Hope everyone has a great winter. I know mine was very busy and am finding it hard to keep up with spring planning.

Québec

I would like to give thanks to everyone who has helped with time and energy to move this industry

This includes the volunteers who have offered their time and dedication to help run Apimondia. To my board, you are an amazing bunch of guys' and it gave me great pleasure to work with you.

In the last two years, we have moved forward as a united front with a honey export, stock replacement and pollination strategy. We adopted a five-year plan that will help align Honey Council in a concrete direction aiming to promote industry growth. We have succeeded at keeping Fumagillin on the market. Whilst reaping the benefits of our involvement with Apimondia and the round table. I'm sure I've forgotten some other victories we've had; you'll have to forgive me for that and know



Scott Plante

that I'm eternally grateful for what we've accomplished.

After close to ten years, it is with a heavy heart that I am leaving the board of this great organisation. I would like to extend my best wishes to the next chair and the best of luck to the board Canadian Honey Council. A special thanks to Rod Scarlett with his over and above dedication to this organization. To Maggie who will be replacing me as delegate from Quebec, I'm sure you will love the experience.

J'aimerais remercier tous ceux qui ont contribué, par leur temps et leur énergie, à faire progresser cette industrie. Cela inclut les bénévoles qui ont offert leur temps et leur dévouement pour aider à faire fonctionner Apimondia. À mon conseil d'administration, vous êtes un groupe d'hommes extraordinaires et cela m'a fait grand plaisir de travailler avec vous.

Au cours des deux dernières années, nous avons fait front commun en adoptant une stratégie d'exportation de miel, de remplacement des stocks et de pollinisation. Nous avons adopté un plan quinquennal qui aidera à orienter le Conseil canadien du miel dans une direction concrète visant à promouvoir la croissance de l'industrie. Nous avons réussi à maintenir le Fumagillin sur le marché. Tout en récoltant les fruits de notre implication avec Apimondia et la table ronde. Je suis sûr que j'ai oublié certaines autres victoires que nous avons eues ; vous devrez me pardonner pour cela et savoir que je suis éternellement reconnaissant pour ce que nous avons accompli.

Après près de dix ans, c'est avec le cœur lourd que je quitte le conseil d'administration de cette grande organisation. J'aimerais offrir mes meilleurs vœux au prochain président et la meilleure des chances au conseil d'administration du Conseil canadien du miel. Un merci spécial à Rod Scarlett pour son dévouement sans borne envers cette organisation. À Maggie qui me remplacera comme déléguée du Québec, je suis sûr que vous allez adorer l'expérience.



Maggie Lamothe Boudreau

Hello to all Hivelight readers.

I am a beekeeper from the province of Quebec involved for several years in the beekeeping unions of Quebec (regional and provincial). I am currently the 2nd vice-president of "Apiculteurs et Apicultrice du Québec (AADQ)". My company owns 250 hives and continues to grow in the production of queens. I am someone who is very optimistic, very collaborative and motivated to help Quebec and Canadian beekeepers by working hand in hand with my colleagues on the Canadian Honey Council (CCM).

We had a very eventful year in Quebec. At the union level, we are completing the association of the two largest beekeeping unions of

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the province. The organization's first official AGM will take place in March 2020.

We also participated in the congress of "L'Union des Producteurs Agricoles du Québec" (UPA) in order to assert our desire to keep the obligation to obtain an agronomic prescription for the most dangerous pesticides used in Quebec. The Board of reserved designations and valuable terms is currently working on the issue of feeding with sugar sirup in the fall. The AADQ's biological committee is working with them to best represent all of its members. The organization's purchasing group has also been under reconstruction since the merge.

We were very fortunate to receive Apimondia this fall. Special thanks to all those who were involved, directly or indirectly, in the organization of this grand event. Let us more specifically name Mr. Pierre Giovenazzo. We look forward to the final results at the new union's AGM in March.

For Quebec beekeepers, this is the third consecutive year affected by considerable losses of hives at the end of wintering and they had to work once again very hard to make up for the losses incurred. In addition to having increasingly late springs, we have now keep having very early autumns. Several beekeepers were taken by surprise when they found their hives in the snow this fall.

The price of honey remains around \$ 2.00 a pound in bulk for clear honey and \$ 2.40 for blueberry honey. The price for pollination of blueberries remained stable at around \$ 150 / hive for three weeks.

I close by offering my sincere thanks to Scott Plante for the opportunity to replace him on the CHC. In my name and that of the AADQ board of directors, we offer him our gratitude for his dedication in organizing beekeeping in Quebec and in Canada and his great involvement in the organization of Apimondia. Without Scott, this grand event and beekeeping in Quebec would not have been the same.

.....
Bonjour à tous les lecteurs de Hivelight.

Je suis une apicultrice de la province de Québec impliquée depuis plusieurs années dans les syndicats apicoles du Québec (régionaux et provinciaux). Je suis actuellement la 2e vice-présidente des « Apiculteurs et Apicultrice du Québec (AADQ) ». Mon entreprise détient 250 ruches et continue de croître dans la production de reines. Je suis quelqu'un de très optimiste, très collaborateur et motivé à aider les apiculteurs québécois et canadiens en travaillant de concert avec mes collègues au sein du Conseil Canadien du Miel (CCM).

Nous avons eu une année très mouvementée au Québec. Au niveau syndical, nous terminons l'association des deux plus gros syndicats apicoles de la province. La première AGA officielle de l'organisation aura lieu en mars 2020.

Nous avons également participé au congrès de l'Union des Producteurs Agricoles du Québec afin de faire valoir notre désir de conserver l'obligation d'obtenir une prescription agronomique pour les pesticides les plus dangereux au Québec. Le CARTV travaille actuellement sur le dossier du nourrissage à l'automne et le comité biologique de l'AADQ travaille de concert avec le CARTV afin de représenter au mieux tous ses membres. Le groupe d'achat de l'organisation est aussi en reconstruction depuis la fusion.

Nous avons eu l'immense chance de recevoir Apimondia cet automne. Un merci spécial à tous ceux qui se sont impliqués de près ou de loin dans l'organisation de cet événement grandiose. Nommons plus particulièrement monsieur Pierre Giovenazzo. Nous attendons avec impatience les résultats finaux lors de l'AGA du nouveau syndicat en mars.

Pour les apiculteurs québécois, il s'agit de la 3e année consécutive affectée par des pertes considérables de ruches à la sortie de l'hivernage et ils ont dû travailler très fort pour rattraper les pertes encourues.

D'autre part, en plus d'avoir des printemps de plus en plus tardifs, nous avons maintenant subi des automnes très hâtifs. Plusieurs apiculteurs ont été pris par surprise en retrouvant leurs ruches sous la neige cet automne.

Le prix du miel se maintient autour de 2,00\$ la livre au vrac pour le miel clair et 2,40\$ pour le miel de bleuet. Le prix pour la pollinisation du bleuet est demeuré stable à environ 150\$/ruche pour trois semaines.

Je termine en offrant mes sincères remerciements à Scott Plante de m'avoir offert la chance de le remplacer au sein du CCM. En mon nom et celui du conseil d'administration des AADQ, nous lui offrons notre gratitude pour son dévouement dans l'organisation de l'apiculture au Québec et au Canada et ainsi que sa grande implication dans l'organisation d'Apimondia. Sans Scott, cet événement et l'apiculture au Québec n'aurait pas été les mêmes.

Ontario



Albert Devries

It has been busy at the OBA this fall. We had a well-attended AGM in Burlington mid-November where we elected several new board members. We also learned that our Tech Transfer Program lead for the past ten years, Les Eccles, is moving on to pursue new opportunities. Thank you Les, for all the research and teaching you accomplished with Tech Transfer. We are currently in the process of hiring a new program lead. Membership in the OBA continues to grow. Fourteen-

hundred members makes for a very busy office! We are also looking for a new office assistant to better serve our membership. We are pleased with the growth in the OBA and hope for a smooth transition with new staff.

The winter weather in Southwestern Ontario has been quite mild with very little snow so far. The bees have been able to fly regularly since being wrapped. There were reports of high mite levels found in hives by Ontario bee inspectors this fall. There has been speculation that this could lead to increased winter loss. Time will tell. We are also getting more inquiries for hives going East to pollinate low-bush blueberries. This, coupled with winter losses, could lead to increasing demand for bees this spring. Large orders for nucs have already been placed. Winter is a good time to both reflect on the past season and look ahead to the new season. We look forward optimistically to the coming spring.

Manitoba



Allan Campbell

Another year came and went and with it another years harvest in the drum and I hope it was a fantastic one for you. For me in the Dauphin area in the NorthWest region it was a very poor honey crop. By the time colonies were released from pollination out West, Canola at home was just beginning to flower. However insistent heat above 30°C and very negligible amounts of rain produced nectar for only a very short time with too many fields flowering for only 10-14 days.

Lucky for many Manitobans though, that wasn't the case everywhere in the province and according to our PA's office the province produced just slightly below our average annual yield. So good news for most. Autumn and winter temperatures have had some pretty wild swings that hopefully doesn't carry into spring when it matters most; I think

► pag. 10

most folks seem happy with the colonies that went into winter and are hopeful for strong spring populations.

Honey prices seem to be on par with last year, or slightly higher, but I have yet to see any sign that the trend will continue upward while we are still so focused on our trading partners to the South. I am hearing that our Canadian packers are doing a very fine job of offering better, maybe even premium prices for Canadian producers, so kudos to you. (Call me if you need more!) Even still, we need to keep working on diversifying markets and spreading it around a little more which is what the CHC is working diligently to achieve for us. Japan, China, UAE, South Korea and Malaysia look to be the future of our export market and where our attention is now focused.

This will be my last directors' report as I've decided to step down from both the MBA and CHC to refocus my priorities after many, many years serving on MBA and more recently, the past few years with CHC. It's been a very memorable and incredible experience and I've been positively enriched by the relationships I've developed and the truly excellent community that we all work to build. Next time you are at your local meeting or at a big beekeeping event, thank a volunteer! Our associations and the people behind them work tirelessly and put in so much effort to make this industry better every day making sacrifices in their own lives for the betterment of us all. I want to say Thank-you to my fellow directors and to all beekeepers of Canada and all the best in 2020 and beyond! It's been my pleasure to serve you all.

Saskatchewan



Jake Berg

The Saskatchewan Beekeepers Development Commission had their AGM the last week of November. The meeting was held in Saskatoon and was very well attended. We have two new board members; Danny Wasylenchuk and Murray Althouse. Our president this year is Nathan Wendell. I would like to thank Sara Comerford and David Gane for their time served on the Saskatchewan board.

I'm very much looking forward to be a part of the CHC contingent going to Food Ex in Japan in March. Food Ex should be a great opportunity to get more Canadian honey into other International markets and out of the North American market. Diversifying Canadian honey into other International markets is one way I believe we could get a more sustainable price for our Canadian honey. Food Ex will be the first in a series of International food shows that CHC will be attending over the next year. Hopefully these shows will lead to more Canadian honey being exported into other markets Worldwide.

In closing, I would like to welcome all the new CHC delegates that have come onto the board recently.

Alberta



Neil Specht

This is my last report as the Alberta representative to CHC. The new representatives will be Ron Greidanus and Curtis Miedema. As Curtis's mom was a Greidanus, we tease them about the Greidanus cartel (many families of Dutch commercial beekeepers).

They will be great representatives, they bring that young energy. I have always appreciated the way they get right in there and do their share, will listen to your opinion and can articulate their own.

I need to thank those that I have been on the

board with. They were fun to work with and care deeply for the industry. A special thanks to Rod Scarlett for his ability to herd cats (read the CHC board) through governance, international beekeeping trade issues, the CFIA labyrinth, government relationships, Fumagilin Re-registration, and Apimondia. Yes, good men all. I was proud to be a part.

That reminds me. I will be passing my job, "pollination", on to the new board as of the next meeting. I want to thank those in CAPA who have helped me with the crop specific talking points that I hoped to have available for contact discussions between crop managers and beekeeper on the CHC website. That's another thing that I would put on my wish list for CHC is to make our website a little easier to use / search.

For me I'm trying to back away from board work and bee management. If any of you have time now, Maybe I will come visit?

Best bee happy.

British Columbia



Stan Reist

It's the end of the year and now it the time to reflect what went right and what didn't do as well as expected. For us on the Island, the central part is being less productive and dryer than we need to produce a summer crop. The spring crop is still there but if you're producing stock for sale then there's not much chance of getting that spring crop. If you are a small scale operation you should do alright for in town operations, lots of flowers and people watering gardens. The west coast out on the pacific gets lots of recovery moisture and again does not too bad. We have been fortunate to find other locations further north but that presents a whole new dimension of different problems to overcome, including grizzly bears and the distance to and from the yards. The crop timing is also way different, as much as two weeks earlier, if you do pollination of crops that can throw a wrench into the works but change we must.

The availability of queens this spring was exasperating to say the least. One major supplier just didn't perform and was unable to supply consistently. This is not a rag on the queen supplier but a lesson in not to keep all the eggs in one basket. You can't control nature, you have to work with it and this year's rains really took a toll.

A few of us (CHC reps) have been talking and discussing the situation around Queen supply for our Canadian market. Back in 2004 the CHC held a meeting in Kelowna to come up with the protocols to import Queen Stock from the continental US. BC had a motion on the books to allow for the importation of Queens from the Continental US, Alberta had a motion to open the border period, an agreement was reached and the meeting proceeded to see if we could agree on protocols for import. B.C. and Alberta both chipped in and we came up with the ten thousand dollars with which to hire the mediator to satisfy all the participants concerns and it worked. We have been importing Queens ever since and for the most part things have gone fairly well, however, there is the problem of the Africanization of the stock that has been working its way up the west coast and is now coming close to the Queen breeding area.

The CHC has been monitoring this issue and has been in contact with CFIA to ensure the flow is continuing, however, at some point in time we expect it's going to be curtailed. Having said that, we are seeing requests for imports from other countries and we now have a list of other countries to import from. Just what the supply is going to look like is another matter.

One proposal is to hold a Queen rearing course in Spanish or other languages for our foreign workers to produce Queens for their employer's operations. There has been a guarded response, also a when

and where are these courses proposed to be held and my workers will be there. I was surprised and pleased to see what's going on with the ABC. I was on a trip to the prairies this fall and stopped for a brief time at the meeting and was able to catch one presentation in the morning about queen rearing proposal with the emphasis on Queen Production. I know there is a lot of work going into the overwintering of Queens in a number of Provinces. To name all the people involved is not possible, invariably, I would miss some people, so let's just avoid that. Later that month I was talking to another CHC rep that was going over his year end, preparing to close out the financials and in viewing the details, realized what he spent on purchasing queens for his operation that year. When viewing the figures, he thought, you know I could hire a foreign worker to produce Queens for my operation cheaper than importing them from the US. He could also choose the stock from his best producers to do that.

Sorry I kind of got off track so back to B.C. information again. Our AGM was a great success in Prince George, the dates were advanced to try and avoid nasty weather. It worked the day because after the convention it snowed, excellent timing. I am being exposed to numerous and various presentations on bee topics and invariably they mostly talk about the loss of bees and bee habitat. Most of these presentations don't say or offer the geographical area they are talking about but imply it's universal. One such presentation showed mass tillage of the fields using conventional methods and I am sure they still do this in some parts of North America, however, if I am not mistaken, they also employ subsurface tillage to prevent the erosion of soils but again they do not mention this. They only emphasize their point of view and what they want to say in order to convince people we are doing all the wrong things. (According to their point of view). So what I am thinking is if your going to take in a presentation, it's becoming necessary to look at the bio of the person doing the presentation to see

there leanings and the particular slant (slant might not be appropriate but my description) of what they are presenting. Some of the presentations are real head scratchers to try to figure out where they are getting their information.

Our spring Semi Annual meeting is in Kamloops as always and we have a great line up. It's going to be heavy in Queen Topics, so our association is also promoting queen production and the production of local stock. The meeting is moved towards the middle of the month and again better weather conditions for travelling. Some of us do not want to be part of Hell on the HI way presentation and are grateful for the later date.



Bernie Rousseau



Bee Maid Call For Research Proposals

Bee Maid Honey Is Pleased To Announce The Continuation Of Apicultural Research Funding.

Bee Maid Honey Limited will consider project proposals in any area of apiculture, hive health or honey production.

Preference will be given to the area of honey quality and good practices of producing pure quality Canadian honey in the Canadian beekeeping industry. Proposals for projects must be submitted to the Bee Maid Honey Research Committee by February 28, 2020. Projects are expected to be completed within one year of funding, although renewal applications will be considered.

For further information and to receive the complete call for research document, please visit:

www.beemaid.com/aboutus/in-the-community/research

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Bee Sales Database

Canadian Honey Council

Bee Sales Database: Beekeepers					
Province	Business Name and Contact	Contact Information	Interested in selling:	Stock	When available
B.C.	Armstrong Apiaries - James Macdonald	250-308-8219 jamesmacdonald@telus.net	nucs / queens	local hardy	nucs: 3rd week May, queens: May-July
	Bear Creek Honey - Mart and Rita van Herk	604-845-1807 mcvanherk@gmail.com	nucs	local hardy	nucs: end of May
	Flying Dutchman - Stan and Cheryl Reist	250-390-2313 flydutch@telus.net	nucs/queens/packages	Carniolian stock spring packages: Kintail New Zealand, nucs: Minnesota hygenic, queens: from Olierous Honey Bees (California)	packages: 1st March, nucs: 1st may - mid-June, queens: April-September
	Golden Ears Apiaries Inc. - Jean-Marc LeDorze	778-882-6254 jeanmarcledorze@gmail.com	nucs/packages	Caspian	May-September
	Honey Bee Zen Apiaries Ltd. - Amanda Goodman Lee and Jeff Lee	250-866-6861 jeff@honeybeezen.com	nucs/queens	local BC	nucs: beginning June, queens: June 15-Aug 15
	Kettle Valley Queens - Elizabeth Huxter	250-442-5204 lizandterry@gmail.com	queens	local BC stock and breederqueens	May-August
	Wild Antho - Emily Huxter and Shayne Doerksen	250-309-5408 hello@wildantho.com	nucs/queens	local BC stock	May-August
Alberta/Sask	Sweetheart Pollinators - Neil Specht and KostaTyshchenko	306-967-2841 sweetheart.pollinators@sasktel.net	nucs/queens	mostly Carniolan	late June-end August
Sask.	Farmer Brown's Honey - Cameron Brown	306-386-7953 farmerbrownshoney@gmail.com	nucs	Carniolian/ Saskatraz stock	after mid-May
	GC Honey Bees - Grant and Carissa Schmidt	306-276-1561 gchoneybees@gmail.com	nucs	Saskatraz and Strachen	June-mid July
	Golden West Enterprises Ltd. - Lester Martens	306-230-5688 lesmartens@shaw.ca	nucs/queens	mix of Italian, Carniolan, Russian and Saskatraz	nucs: with over wintered queen after mid-May, nuc: with newly mated queen after June 30, queens: after June 30
	Lalonde Honey Farms - Simon LaLonde	306-931-0155, 306-931-1715 simon@tonylalondesales.ca	nucs/queens	mostly Carniolan	late April- early June
	Meadow Ridge Enterprises - Albert Robertson	306-270-6627 a.j.robertson@saskatraz.com	nucs/queens	Saskatraz	nucs: end of May, queens: Last week April- August
	Moyen Honey Farms Ltd. - Gerry Moyen	306-873-8317 moyenhoneyfarms@gmail.com	nucs/queens	Kona queens	May-June
	Sun River Honey Inc. - Sara Comerford	306-329-4201 orders@sunriverhoney.com	nucs	Western Canadian locally bred 20+years	mid to late May
	Valleau Apiaries - Dan Valleau	306-862-4094 valleau.apiaries@sasktel.net	nucs	Saskatchewan hardy	end of May
	Dani Glennie	dani_glennieh@msn.com	nucs	various stock from local and national breeders	April
	Calvin Parsons	306-864-2632	nucs/queens	local Saskatchewan hardy	nucs: end May-end of June, queens: June-Sept
Manitoba	Rivercrest Honey Farm - Will Clark	204-724-2373 willmarthoney@gmail.com	nucs/packages	Manitoba selected	mid-late May
	Westman Honey Bee Producers Dan Lane	204-728-9129 WestmanHoneyBeeProducers@gmail.com	nucs	Manitoba survivor stock	May

Ontario	Ackroyd's Honey - Glen Ackroyd	519-934-0006 bees@ackroydshoney.com	nucs/queens	Saskatraz	late April-early August
	Adam's Honey - Adam Ritchie	705-716-5402 adam@adamshoney.com	nucs/queens	local adapted stock	nucs: late May-June, queens: June-July
	Anderkin Foods Inc. - Guy Anderson	1-866-314-3529, 519-396-3529 lazyj@bmts.com	nucs/queens	Ontario hybrid	end of May
	Ontario Honey Company - Blair Griffiths	613-328-3511 blair@OntarioHoneyCompany.ca	nucs/queens	Italian, Carniolan	nucs: early-mid May, queens: early June
	Royal Bee Farm - Dao Wang	1-800-717-6988, 647-236-6886 info@royalbee.ca	nucs/queens	Italian	nucs: early June, queens: end off May
	Tally Bees Farm - Mohammad Ali Zare	416-432-1474 alizare65@gmail.com	nucs/queens	mixed stock	nucs: 2nd week of May, queens: June-July
	Tuckamore Bee Co. - Alison Van Alten	alison_bee@yahoo.com	queens		June to August
Quebec	Api Culture Hautes Larentiders Inc. - Anicet Desrochers et Anne Virgine Schmidt	819 587-4825 miels@api-culture.com	nucs/queens	Quebec stock	3rd week May-September
	Elevage Le Roi Bourdon - Pablo Taner	514-562-4852 oswaldt@roibourdon.ca	queens	Quebec stock	3rd week May-mid-July
	La Miellerie du Petit Bulldog - Alexandre Mainville	514 996-9830 lepetitbulldog@gmail.com	queens	Quebec stock	3rd week May-mid-July
	Le Rucher de la Framboisiere - Jean Guilbault	418-877-9685 guilbaultjean@videotron.ca	nucs	Quebec stock	3rd week May-mid-July
	Les miels du Suroit - Gilles Patoine	514-949-3066 gillespatoine04@gmail.com	nucs	Quebec stock	3rd week May-mid-July
	Mielleries St-Stanislas - Joel Laberge	405-373-7535 info@mielststan.ca	nucs/queens	Quebec stock	3rd week May-mid-July
	Rayons de Miel - Maggie Lamothe Boudreau	418-331-0527 maggielamotheboudreau@gmail.com	queens	Quebec stock	3rd week May-mid-July
	Sanctuaire des Abeilles - Eric Choquette	514-618-0556 info@sanctuairedesabeilles.com	nuc	Quebec stock	3rd week May-mid-July
Atlantic Canada	Cornect Family Farm - Ben Cornect	902-833-2747 benjaminconnect@gmail.com	nucs	Atlantic stock	mid May-mid July

Bee Sales Database: Brokers

B.C.	Flying Dutchman - Stan and Cheryl Reist	250-390-2313 flydutch@telus.net	nucs/queens/packages	Carniolan stock spring packages: Kintail New Zealand, nucs: Minnesota hygenic, queens: from Olierous Honey Bees (California)	packages: 1st March, nucs: 1st may - mid-June, queens: April-September
Alberta	Paradis Honey Ltd. - Michael and Lise Paradis	780-323-4183 paradishoney@outlook.com	packages/queens	New Zealand packages: Italian, California queens: mix of Italian/Carniolan	only sells bees from BC to Manitoba packages: Feb-April, queens: April-June
	Scandia Honey Corp. - Reece and Echo Chandler	403-362-3951 echo@scandiahoney.com	packages/queens	New Zealand	packages: Feb 26-May 7, queens: April1-June 7
Sask.	Lalonde Honey Farms - Simon LaLonde	306-931-0155, 306-931-1715 simon@tonylalondesales.ca	nucs/queens	mostly Carniolan	late April- early June
	Moyen Honey Farms Ltd. - Gerry Moyen	306-873-8317 moyenhoneyfarms@gmail.com	nucs/queens	Kona queens	May-June
Sask. / Man.	Fraser Auction Service Ltd. - Scott Campbell	204-724-2131 scott.campbell@fraserauction.com	auction service nuc/ packages	variable	mid May-early June
Ontario	Ackroyd's Honey - Glen Ackroyd	519-934-0006 bees@ackroydshoney.com	nucs/queens	Saskatraz	late April-early August
	Anderkin Foods Inc. - Guy Anderson	1-866-314-3529, 519-396-3529 lazyj@bmts.com	nucs/queens	Ontario hybrid	end of May
	Early Queen Arrivals - Peter Mewett	613-395-3225 pmewett@hotmail.com	queens	Italian, Carniolan and Saskatraz	mid April-end June
	Tally Bees Farm - Mohammad Ali Zare	416-432-1474 alizare65@gmail.com	nucs/queens	mixed stock	nucs: 2nd week of May, queens: June-July
Atlantic Canada	Country fields - Tim Purdy	902-576-3079 timpurdy@countryfields.ca	nucs/packages/queens	Atlantic/import	mid May-mid July



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Country Fields Beekeeping Supplies Expands

Almost five years ago, Tim Purdy moved Country Fields Beekeeping Supplies from Coverdale NB (where it was located for 40+ yrs), to set up shop out of his garage in Waverley NS. He has since breathed new life into the business with a variety of new products and a strong emphasis on customer service. The goal was simple. To service the existing beekeepers



of the area and to attract and encourage more people to get involved in beekeeping. Tim sees beekeeping as the future of our food security, for both pollination and honey production. Food sourced locally imparts a smaller environmental footprint on the Earth, something that should be a foremost concern for all.

3 years ago, the business had grown enough to take on a new employee. The addition of Mark MacKay to Country Fields has provided the catalyst for the company to grow. This valuable addition enabled the business to expand and begin construction on a new store, located outside Halifax, in Waverley Nova Scotia at 11 Falls Run (exit 14 Hwy 102). This new facility will allow us to complete the vision for Country Fields. The new store will serve as a hub to facilitate the sharing of knowledge amongst beekeepers both locally and around the world. The new building provides the space needed to be able to offer courses and workshops to spread beekeeping knowledge for beginner and experienced beekeepers alike.

Countryfields has always been dedicated to offering quality products. The new retail space will showcase an expanded product line with many innovative beekeeping products from around the world. In addition to beekeeping supplies, equipment and education, Country Fields offers live bees for sale, ranging from early package bees air freighted in from southern hemisphere in April as well as Local Nucleus colonies and packages. Country Fields carries everything needed to help the beginners, hobbyist and right through to those involved in commercial beekeeping. With the expansion, future plans include diversifying into providing equipment and supplies for Maple Syrup hobbyist and those raising backyard poultry.

Tim's passion for beekeeping was rooted in the pollination industry, and as such Countryfields will always be dedicated to providing economical solutions for both commercial and hobby beekeepers alike.

Both Tim and Mark look forward to seeing old and new faces at our new location. Our same service, and customer experience will continue, but in a beautiful new environment that we can't wait to show off to all our beekeeping friends.

We hope to be in the new store for late Winter 2020!



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historically low levels while the cost of production has substantially increased. As Dr. Stan Daberkow has said in other contexts, “As an economist, when the selling prices exceed the costs of production, the fundamental reality of adulteration is manifest.”

Of course, it is not merely economic analysis but advanced and sophisticated science which can and is exposing the prevalence of adulteration and fraud in the realm of honey. Witnesses have observed and scientific analysis revealed and confirmed the multiple modes of adulteration and fraud in honey. Prof. Stephan Schwarzwinger said:

by **RON PHIPPS**

From September 8-12, 2019, the World Beekeepers Congress met in Montreal. About 5,500 people participated, representing over 130 countries. The conference covered many subjects of importance to beekeepers ranging from bee health, market conditions, modes of production and apitherapy to identifying flavor profiles of honey varietals.

The burning issue of the collapse of honey prices due to various modes of adulteration was addressed more thoroughly, deeply and scientifically than ever before by Apimondia upon whose faculty I served with many distinguished and concerned colleagues. At the session on Detection and Prevention of Honey Fraud, scientific presentations were made by Prof. Stephen Schwarzwinger, Dr. Cord Luellmann, Dr. Christof Kunert, Dr. James Gawnis and others in a session chaired by Prof. Norberto Garcia, President of the Scientific Commission on Beekeeping Economy. To everyone’s surprise, mine included, the graph of honey export growth and the number of bee colonies was cited by several presenters from the honey testing laboratories. The fundamental dilemma facing the industry is captured by the contradiction, using United Nations data, among exploding exports of “honey,” stable numbers of beehives and dramatic declines in productivity per hive.

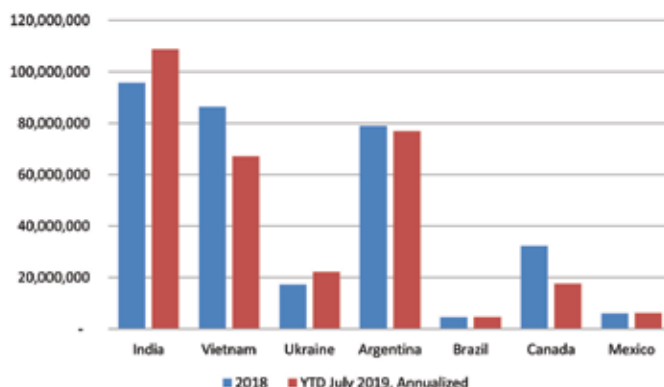
The subsidiary contradiction is that honey prices have collapsed to

Do not rely on a single method!

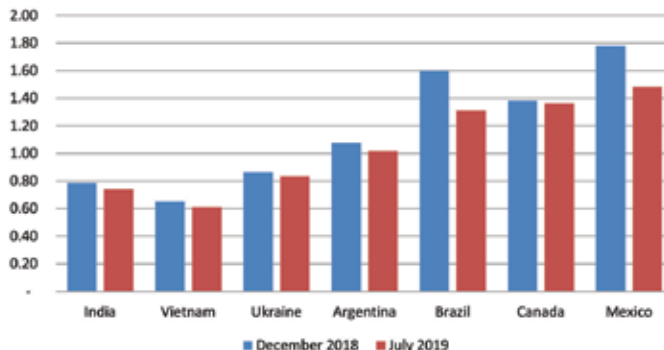
Vary Parameters looked at!

Use Screening Methods, to get the overall picture of the sample!

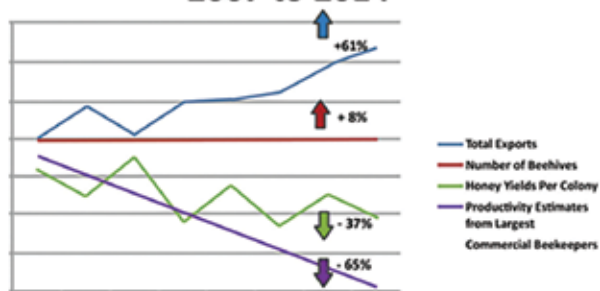
Conventional Honey Imported to the US by Countries in Pounds



Average Price of Honey Imported to the US by Countries



Honey Exports, Beehives, Yield 2007 to 2014



Since honey's charm resides in its unusual qualitative diversity, we need, consistent to Prof. Schwarzsinger's admonition, to "supply as much information as possible." We need to introduce and require more rigorous traceability regimes by which floral sources, geographic locations, climate, extraction methodology, etc. are taken into account. The scientific analysis of the authenticity of honey is evolving into more rigorous and comprehensive profiles. This is parallel to the development of precision medicine in diagnosing and curing disease. Modern computing capacity facilitates rigorous traceability.

At the conclusion of the session on Detection and Prevention of Honey Fraud, surveying an audience of approximately 1,000 people, Prof. Garcia said that never before in any meeting in the world had he seen so many people gathered to address the problem of economically motivated adulteration in the honey market.

Science, Beekeeping and Honey

There are three fundamental uses of science in the beekeeping and honey industries: 1) to develop the scientific understanding of the methods and means to keep bees alive, healthy and vigorous; 2) to scientifically investigate and demonstrate the health benefits of honey and 3) to develop a scientific tool box sufficiently sophisticated and adequate to distinguish authentic pure honey from honey which in various forms or combinations of forms has been adulterated for illicit gains for the few and harm to the many.

The interest and successes in the second use of science depends upon success in the third since the health benefits of honey do not pertain to adulterated honey whether that adulteration takes the form of extraction of immature, unripened "honey," the illegal use of resin technology on honey and/or the blending of bio-engineered extraneous sweeteners.

For the first time, Apimondia has an American serving as the President of the organization, Dr. Jeff Pettis. We spoke with members of the leadership about the value of further integrating these three uses of science.

As with other natural products honey has great charm, qualitative diversity, a fascinating history and numerous health benefits. The creative marketing of honey has enormous potential which is being discussed among leaders of Apimondia, the American Honey Producers Association and other national and international beekeeping organizations. In January 2008, the First International Symposium on Honey and Health was held in Sacramento, California, prior to the unified National Honey Conference. Concurrently leaders of the beekeeping community, independent university laboratories and government laboratories are looking at a more integrated scientific approach to re-invigorating this effort on Creative Marketing.

Honey Standards

Honey is an internationally traded product and its definition must be independent of both a) where it was produced; and b) the uses to which it is put. There are some who put forward notions of a "China model," an "Asian model," a "tropical model," and an "industrial model" for honey. These various models serve as masks for what the editor of the American Bee Journal calls the "scourge of fake honey." But the masks are fraying and becoming transparent. More and more investigators are helping to remove these masks.

We anticipate that Apimondia, the U.S. Pharmacopeia, the UN Food and Agriculture Organization, and other organizations and governments will shortly put forward strong, comprehensive, and rigorous definitions for authentic pure honey. The importance of these standards is made clear in Prof. Michael Roberts' new and important White Paper in which he states, "As long as adulterated imported honey floods the domestic



Prof. Michael Roberts and the President of the UN FAO

market, U.S. honey producers will find it very difficult to build a sustainable business model predicated on authentic honey."

We are happy to report that in June 2019, Prof. Michael Roberts, on behalf of the Law School of UCLA, signed a memorandum with the President of the United Nations Food and Agriculture Organization to fight food fraud, including honey adulteration.

NMR Update

Nuclear Magnetic Resonance testing (NMR), High Resolution Mass Spectrometry (HRMS) and other emerging scientific methodologies are essential tools for detecting adulteration of honey. The industry has witnessed, over the past five years and more, consistent attempts to disparage, delay, deny, boycott and isolate NMR and those other techniques precisely because they are most relevant and powerful at exposing the insidious modes of illicit production and sophisticated methodologies of adulteration of honey. These efforts have been pathetic and purposeful. Scientifically and logically, the arguments against NMR testing are extraordinarily weak and the persistence of ill-founded arguments is purposeful precisely because NMR is so powerful.

Thomas Spengler and Eduardo Nascimento, PhD, of Bruker Biospin, and other scientists have made recent presentations on NMR. NMR can analyze 36 to 38 parameters found in honey. The reports of patterns of peaks are about 25 pages long. NMR is useful for exposing many of the most prevalent modes of adulteration of honey. Based upon the parameters of how the nuclei of atoms resonate, a database, even though it is present, is not scientifically necessary for the identification of various modes of adulteration.

Bruker Biospin has the largest global database ever assembled for honey, including over 19,000 samples of primary honeys and blends of honey. NMR is utilized in coffee, wine, dairy, olive oil and other industries plagued by food fraud. It is also used to distinguish organic from nonorganic eggs, previously frozen from fresh foods, and free range poultry from confined animals. It is also being used as an important tool in the analysis of medical drugs and other medical applications.

The marketing of fake honey as honey, frozen fish as fresh fish, confined animals as free range, conventional products as organic products, all fall within the scope of economically motivated adulteration. As has been pointed out in previous market reports and in the public media, the phenomenon of the adulteration of honey has plagued the domestic markets of Australia, New Zealand, India, China, Canada and the U.S. To address not only export markets but their own domestic markets, the governments of those and other countries are in discussions to adopt NMR as a crucial tool in the fight to have authenticity prevail over adulteration, integrity over duplicity. NMR, if fully and accurately employed, is an essential tool for combatting global food and drug fraud in general and honey fraud in particular. Those who have tried to isolate NMR are themselves becoming increasingly isolated.

Foxes are a very cunning and clever species. There was a photo of a fox brightly and brazenly strolling past 10 Downing Street, London. The Masters of Market Manipulation, who through various examples of disinformation have engineered the collapse of prices, are losing their mojo. Foxes are not the most intelligent and insightful species

in the zoological kingdom. The confluence of expertise which has emerged and continues to deepen is changing this picture.

International Honey Market

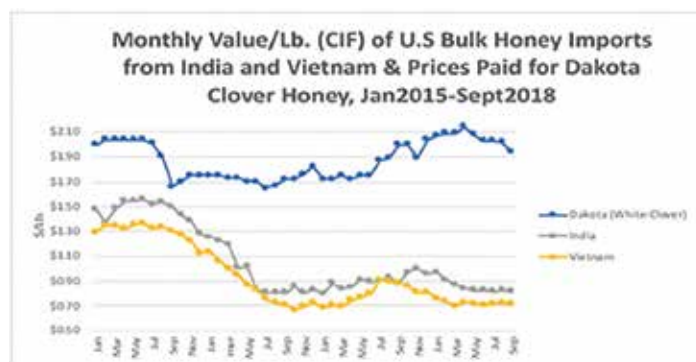
In the third quarter report of the American Honey Producers Association, President Kelvin Adece cites, “Without a huge increase in crop production, one would think the price for U.S. honey would increase to prior year levels, however, the opposite is true. There is a never-ending supply of ‘honey’ being imported at consistently lower prices. We believe that some of this honey is transshipped, adulterated with syrups, or washed through a resin filter.”

Chris Hiatt, Vice President of the AHPA, participated in Apimondia, speaking in a section dealing with modes of honey production. In his report on Apimondia, Chris states, “Norberto Garcia from Argentina estimated that worldwide, honey fraud has cost beekeepers \$1.1 billion.”

The correlative phenomenon, which some economists are currently looking at, is how much illicit profit has been generated for the few who have or are colluding to conduct honey fraud through economically motivated adulteration. Dr. Daberkow previously provided a graph illustrating the rise in wholesale prices for honey that occurred concomitant with a total collapse of prices to beekeepers and exporters. The graph makes clear the economic motivation which has distorted and threatened the honey market, beekeepers, global food supply and ecological sustainability. We believe that the increased awareness of this gap has awakened other segments of the industry, including retailers and manufacturers, and will inevitably result in increased difficulty for bad actors to reap illicit profits from honey fraud. A healthy industry benefits all integrated segments.

Dr. Stan Daberkow, Economist Emeritus of the USDA, has recently provided comments on the current honey market.

1) Data from August 2019 for Dakota- White showed a decline from around \$1.90/lb. to nearly \$1.60 — a 15% drop in one month.



Possibly the domestic harvest is expected to be very large this year leading to lower prices paid to beekeepers, but I suspect the growth in record low-priced imports at or below \$.75/lb. is the real culprit.

2) A longer-term trend over the last two years indicates that Brazilian organic honey prices have declined nearly \$1/lb. or 45% — the other price patterns on the chart are no longer news:

3) India and Vietnam remain the major sources of rock-bottom priced “honey” which, given the nearly 50% price decline since 2015, I believe is an indicator of “fake” honey.

4) The decline in domestic honey prices as well as falling prices of imported Argentinian and Canadian honey between 2015 and 2017 is likely associated with the increased quantities of cheap imported “honey.” People have said much of the Argentine price decline during this time was due to forced sales into the U.S. of their large honey stocks.

5) While there has been some recovery in the Argentinian and Ca-

nadian prices since 2017, these prices are well below the historical levels of 2015 and continue to be influenced by the further declines in prices of imported Indian and Vietnamese “honey.”

Argentina

Argentina’s 2018-2019 crop has largely been exported or committed for sale and 53,000 tons (117,000,000 pounds) were exported in the first 9 months, about 90% of the production. Remaining stocks are primarily dark colors. Weather conditions are normal, but rains are needed. Argentina is finding the European, Japanese and Middle East markets far more attractive than the U.S. market, where they compete with extraordinarily lowpriced honey from Vietnam, Ukraine and India.

The inflation rate of 40% per year and the dramatic weakening of the currency contributed to a change of government in the October elections. Markets slowed down in anticipation of the election outcome and the final dollar exchange rate, and indeed, results confirm that the Macri government has lost and Fernandez and Kirchner have won, which will likely reduce pro-business policies. The big question remains, what will be the impact on Argentina’s international debt and the export tax? Argentina has experienced political uncertainties largely as a result of the inability to resolve its international debt requirements. Neither external lenders nor the Argentine people have given an adequate restoration of confidence in the economy. This has led to increasing gaps in the value of the peso in the official and black markets.

Because of similar botanical sources and proper professional modes of production of honey, the quality of Argentine honey and its flavor profiles are highly compatible with the flavors found in U.S. domestic honey. As a result, Argentine honey is a preferred honey for the European and North American markets. There is a significant contrast between these authentic honeys and some products which have been exported as “honey.” Argentine honey meets the most rigorous quality standards, including the standards presented by Apimondia. The qualitative difference and the extraordinarily low prices of honey from these other sources have put the Argentine honey industry into a quandary: “Meet the low prices or no export sales to the U.S.”

Brazil

The profound collapse of organic honey prices startled the honey world. Brazilian Organic honey is being sold at lower prices than conventional Argentine and Canadian honey and prices remain much lower than prices of two years ago. However, the prices are marginally firming with the beekeepers, especially now that Europe is more active in the market with prices that are competitive for them as well. Stocks are lower than last year. The U.S. and Canada together make up the vast majority of exports from Brazil for the first nine months of 2019, about 17,700 metric tons (39,000,000 lbs.).

Polyfloral crops are coming next in the South, especially in the state of Rio Grande do Sul. The spring crop brings Organic Light Amber but it’s not nearly as big as the crop which starts in March. Up until now it looks like it will be a standard crop.

Rare and beautiful Organic White varietal honeys, as well as Orange conventional, are being collected and are expected to sell at higher prices. Rain forest honey is also being collected.

Concerns emerged in the summer of this year as the Amazon experienced huge forest fires, some of which were provoked by clear cutting and burning to open up land for soybean production for export to China. The fear is that the “Lungs of the World” are being converted by agribusiness to feed the growing demand for meat in the most populous nation in the world.

Canada

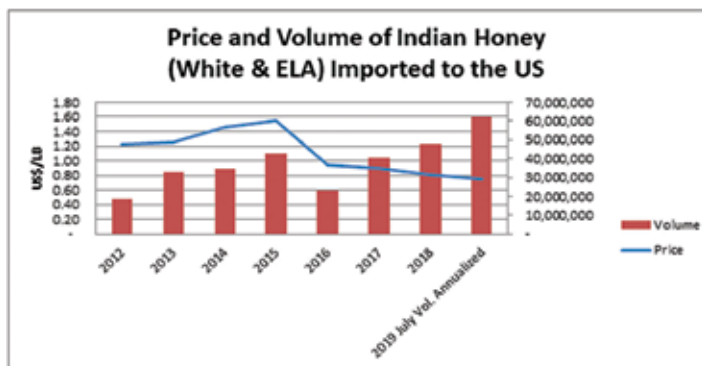
Canadian beekeepers, like U.S. beekeepers, are under great duress. The contradiction between the cost of production and selling prices are reaching a breaking point for many beekeepers.

The fact that the Canadian government investigated and found 22% of honey on the retail shelves in Canada to be adulterated has sent shock waves. Even more startling is the fact that the most powerful and sophisticated methods for detecting adulteration were not used in that study. It is our understanding that the Canadian authorities are in discussion to require and utilize more powerful technologies in the battle against adulterated honey. The international honey industry is appreciative of the immense efforts the Honey Council of Canada and Montreal made to host this historic Apimondia.

India

The huge quantity of imports from India, especially of honey suitable for the retail trade, remains astonishing. Over 200 million pounds of White and Extra Light Amber (ELA) have been imported from India in the last 4½ years, at prices dropping from \$1.55 to below \$0.80/lb.

Investigations and reports from numerous sources regarding Indian modes of production continue. For a country that is largely tropical and semitropical, not to mention a country with no history of exporting honey to the world prior to 2001, to produce this amount of honey suitable for the retail market strikes many beekeepers as a complete anomaly. Fur-



VIETNAMESE HONEY IMPORTS TO US			
	YTD Dec 2017	YTD Dec 2018	YTD Dec 2019
YTD Pounds	77,585,227	86,323,234	39,164,459
Price/LB	0.75	0.65	0.61

thermore, various packers have reported buying Light Amber from India and finding a predominance of White honey, which should be more expensive. The total amount of White and ELA honey, therefore, may be considerably larger than what the statistics indicate. Such an anomaly is consistent with numerous reports of the wide availability of resin technology, which as the Indian exporters have publicly noted, lightens the color of honey, thereby increasing its versatility and marketability.

Complaints from Indian beekeepers about adulterated honey in the Indian marketplace was reported September 24th in the Indian newspaper The Tribune: "Owing to rampant adulteration of honey with different types of syrups (sugar and corn syrups), beekeepers ... are not getting remunerative prices for their genuine product." They also charge that "unscrupulous industrialists and traders" have been creating hindrances in the implementation of new honey standards by the Indian government agency, the FSSAI. Neither the consumer nor the beekeepers benefit from honey adulteration.

Vietnam

In the last 18 months, prices of Vietnamese Light Amber honey

dropped about 20%, and volumes increased to 86 million pounds in 2018.

Talks at Apimondia with leaders from Vietnam indicated that Vietnamese beekeepers are committed to 1) producing fully ripened and mature honey; 2) prohibiting the blending of other sweeteners with honey; and 3) prohibiting the use of resin technology. Meanwhile the collapse of prices for Vietnamese honey continues, and the quantities remain huge. The U.S. remains the dominant export destination for Vietnamese honey. The plight of the beekeepers of Vietnam, brought about by low and non-remunerative prices, is acknowledged by all Vietnamese honey exporters. To use Prof. Roberts' phrase, we could say of Vietnamese beekeepers that they, too are "an endangered species."

The current trade war between the U.S. and China is causing manufacturing of many products, currently made in China, to shift to Vietnam and other low cost markets. Geopolitical tensions between Vietnam and China co-exist with significant Chinese investment in Vietnam.

China

It is interesting that during recent months it has been re-affirmed in China's honey sector that almost all of the honey produced is in the form of "water honey." Typically honey is extracted at over 40% moisture and sent to large factories for moisture reduction by means of large scale modern vacuum chambers. The premature extraction of immature honey intervenes in the natural processes by which, through the interaction of bees and nectar, mature authentic honey is produced in its diversity with natural variations in enzymes, aromatic chemicals, flavor components, minerals, anti-oxidants, etc. Such pseudo honey can be produced in vast quantities and at low prices. These modes of adulteration prevalent in China have been widely exported to several other Asian nations exporting pseudo honey as "honey." The continued attempts to sell resin technology and bio-engineered sweeteners through Chinese websites brazenly show how such technologies allow fraudulent products to elude detection by U.S. authorities. The degree of moisture in extracted honey can naturally vary as a consequence of climate and season. It requires patience and discipline to extract only fully ripened and fully worked honey. Leaders of Apimondia, I believe, are in the process of making this crystal clear — a position which will apply to all honey from all countries.

Chinese companies recently offered to export authentic, fully ripened and mature honey. Indeed, some companies have displayed many single floral mature honey types, which have not been treated by resin technology nor to which bio-engineered sweeteners, or C3 or C4 sugars, have been added. This path is open to the Chinese honey industry and it will benefit Chinese consumers, who are increasingly concerned with food fraud, and China's export markets. There is potential for the transformation of China's production of honey, which contributes to ecological sustainability and global food security, if illicit methods of production cease.

Earlier this year there was a seizure and destruction by U.S. Customs of a shipment of a million pounds of pork from China. China has been suffering from highly contagious African swine disease which has resulted in the culling of millions of pigs in China, and the government has tapped into pork reserves. There is a serious shortage of pork in China and prices are soaring, making this export extremely aberrational. The export of this frozen pork involved all kinds of disguises and customs fraud, as the product was entered with fraudulent descriptions of the product. There is a major lesson to be drawn here. The frozen pork held the threat of containing the African swine virus.

The entering into U.S. Customs of adulterated honey as honey is another case of fraud and, as American beekeepers have pointed out, it is a case which endangers American food security and ecological sustainability.

Macroeconomic Environment

The macroeconomic situation is extraordinarily tense due to nu-

merous factors, including the U.S.-China trade war and the tremendous growth in international debt levels. Many countries have assumed debt which exceeds their gross national product. This creates extreme volatility in respect to currency relations. The inability to pay IMF debt, World Bank loans, and loans to China for infrastructural projects, has created economic, fiscal and social peril in many countries such as Argentina, Greece, Italy and Sri Lanka.

Value of Bees to the World

At Apimondia a session on the Value of Bees to the World was chaired by Dr. Miriam Bixby of the University of British Columbia, with participants including M. Bocquet (Apimondia, France), W. Thurman (North Carolina State University), Y. Gao (Chinese Academy of Social Sciences), Kirsten Traynor (Flickerwood Apiary) and myself.

The role of bees in contributing to global food security, biodiversity and ecological sustainability is increasingly well known. What is not adequately appreciated is the fact that bees' contribution to agriculture is not merely quantitative but it is also qualitative. In some countries, bees contribute to about 70% of total agricultural production, in other countries, over 34%. Among those crops are some of those most rel-

role an organism plays in its ecosystem that is essential to human life." To disincentivize beekeepers is to imperil human life in its organic and interdependent relations with the global environment. This fact cannot be underestimated, since as the National Science Foundation reports bees "increase production of about 75% of our crop species."

Creative Marketing of Honey

Apimondia, the AHPA and various beekeeping associations around the world are interested in developing the creative marketing of honey, as has happened for many other natural foods. This has resulted in dramatic increases in per capita consumption, substantial increases in prices, higher qualities and increased varieties. The romance, history and charm of products are better understood. The Creative Marketing of honey should be wedded to the health benefits of honey. Linking and communicating scientifically established health benefits have led to positive transformations of many industries. Health benefits pertain to authentic honey only.

This prospect is a continuation of many earlier efforts. It will be discussed in January 2020 at the AHPA Annual Convention. It is appropriate, since the first scientific symposium on Honey and Health was held in Sacramento 11 years ago. There were many interesting presentations from scientists around the world. One presentation by Prof. Shona Blair was particularly relevant, poetic and timely, and cited animal studies in which the consumption of honey reduced both weight and anxiety. In the question and answer period it was asked, how do you measure the reduction of anxiety? Hormone levels, blood pressure and other biofeedback parameters are relevant. The answer for the animals which were the subject of this year-long study was that they tend to hide in the shadows. However, those consuming honey spent much more time in the light. Those who have perpetuated honey adulteration and honey fraud have spent their time colluding in the dark places. We should draw the lesson that we need to consume more honey to achieve illumination.

Conclusion

The issues of fighting Food Fraud and Honey Adulteration have risen to the greatest prominence in history. The means of conducting such fraud are exposed as never before. The scientific methodologies of exposing economically motivated adulteration have never been more comprehensive and sophisticated. Those methods are being perfected and new methods added as I write this report. The analysis of water isotopes and the genetics of enzymes are being added to the tool box. Vigorous and intrusive modes of traceability are entering the global food chain. More rigorous and comprehensive contractual obligations are being formulated and promoted to ensure food authenticity. There were cunning and cruel, arrogant and determined efforts to isolate and boycott the methodologies as well the companies and people who have championed food authenticity. But the "isolators are becoming isolated." And it is the trafficking in adulterated honey which is becoming boycotted.

All great rivers are confluences of tributaries. Presently, a mighty river is being formed whose tributaries include:

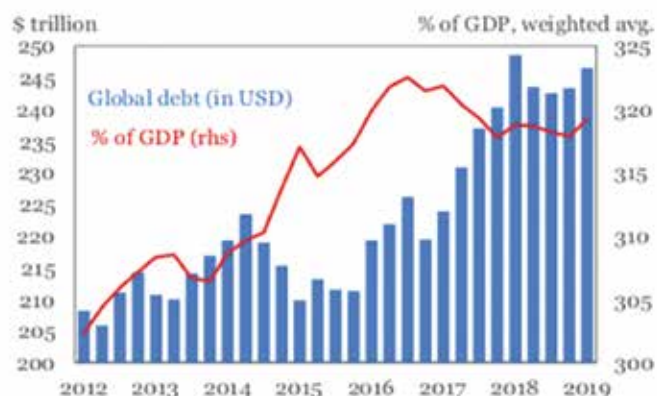
- 1) Private, academic and governmental laboratories
- 2) Beekeepers, honest exporters, importers and packers
- 3) The media
- 4) International organizations including the UN Food and Agriculture Organization, Apimondia, the U.S. Pharmacopeia, and other international standard setting organizations
- 5) The legal systems
- 6) Consumers, including young, health conscious consumers
- 7) Retailers, manufacturers and food service corporations committed to exercising their social responsibility

The future and validity of beekeepers depends upon the Quest for Justice and Integrity in the global food supply. ■

Currencies of Major Honey Producers - US Dollars



Chart 1: Big jump in global debt as financial conditions ease



Source: IIF, BIS, IMF

evant to provide polyphenols, phytochemicals and antioxidants relevant to the prevention of major diseases. These crops include oranges, lemons, cranberries, blueberries, almonds, and those which contribute to a balanced human diet. It was also noted that pollinators enhance the aesthetics of our landscapes, benefiting all.

The growing appreciation of the importance of bees and pollinators to the environment is manifested in a report on "Pollinator Biodiversity" issued by the National Science Foundation in July 2018. The report states the generic phenomenon: "Pollination is an ecological service — a

Honey Supplier Database

Canadian Honey Council

Honey Supplier Database: Beekeepers					
Province	Business Name and Contact	Contact information	Interested in selling: bulk honey/packed honey or both	# of containers able to supply:	CFIA registration #
BC	Golden Ears Apiaries Inc. - Jean-Marc LeDorze	778-882-6254 jeanmarcledorze@gmail.com	bulk	1-9 containers	2712
Alberta	3T Farms - Matthew Thiessen	780-983-1836 matty66@gmail.com	bulk	1-3 containers	2014
	Busy Bee Farm Ltd. - Mike deJong	780-995-8814 info@busybeefarm.ca	bulk	1-10+ containers	2016
	Greidanus Honey Mill - Graham Strom	430-336-3854 honeymill@honeymill.ca	bulk	1-10+ containers	2298
	Mountainview Honey - Terry Greidanus	403-809-0122 terry@mountainviewhoney.com	bulk	1-10+ containers	2050
	Nixon Honey Farm - Kevin Nixon	403-227-2719 kevin@nixonhoney.ca	bulk	1-10+ containers	2767
	Paradis Honey Ltd. - Michael and Lise Paradis	780-323-4183 paradishoney@outlook.com	bulk	1-10+ containers	2130
	Pleasant Valley Honey Producers Ltd. - Ryan Olthof	780-352-2266 pvhpbees@gmail.com	bulk	1-10+ containers	2801
	Scandia Honey Corp. - Reece and Echo Chandler	403-362-3951 echo@scandiahoney.com	bulk	1- 10+ containers	2952
	Worker Bee Honey Company - Peter Awram	640-795-3315 info@workerbeehoney.ca	bulk	1-9 containers	2397(AB) 2787(BC)
	Yuan Enterprises - Ron Yu	780-618-6160, 780-624-3338 ronglinyu@hotmail.com	bulk	1-9 containers	2931
Alberta/Sask	Sweetheart Pollinators - Neil Specht and KostaTyshchenko	306-967-2841 sweetheart.pollinators@sasktel.net	both	1-3 containers	2345
Sask.	101034244 Sk Ltd. (Glory Bee Honey) - Dennis Glennie	306-743-5469 dennisglennie@sasktel.net	bulk	1-3 containers	2353
	A&E Honey, Inc. - Ashley Gray	306-862-2078, 306-862-1295 ashley.erin@sasktel.net	bulk	1-3 containers	2273
	Big Rose Honey - David and Ken Walter	306-948-6119 (David) davidabrc@gmail.com 306-948-6528 (Ken) kenywalt@gmail.com	both	1-3 containers	2327
	GC Honey Bees - Grant and Carissa Schmidt	306-276-1561 gchoneybees@gmail.com	both	1-9 containers	2072
	Golden West Enterprises Ltd. - Lester Martens	306-230-5688 lesmartens@shaw.ca	bulk	1-10+ containers	2752
	Hannigan Honey - Murray Hannigan and Dave Philp	306-747-7782 (Murray) hanniganhoney@sasktel.net 306-747-7777 (Dave) davehanniganhoney@sasktel.net	both	1-10+ containers	2488
	Lalonde Honey Farms - Simon LaLonde	306-931-0155 306-931-1715 simon@tonylalondesales.ca	both	1-10+ containers	2332
	Moyen Honey Farms Ltd. - Gerry Moyen	306-873-8317 moyenhoneyfarms@gmail.com	bulk	1-10+ containers	2283
	Norlynn Honey Farm Inc. - Norm and Marilyn Knudsen	306-862-6776 nknudsen@sasktel.net	bulk	1-9 containers	2567
	Red Deer Hill Honey - Scott Lipsit	306-763-0788 Scott.lipsit@saskpolytech.ca	bulk	1-3 containers	6BB4BGG6

	SJ Beez - Jake Berg and Stacey Zosel	306-921-8360 (Jake) sjbeez@hotmail.com 306-921-5239 (Stacey) staceyzosel@hotmail.com	bulk	1-10+ containers	2991
	Sun River Honey Inc. - Aaron Comerford	306-292-7612 orders@sunriverhoney.com	both	1-10+ containers	2992
	Valleau Apiaries - Dan Valleau	306-862-4094 valleau.apiaries@sasktel.net	both	1-9 containers	2273
	Wendell Estate Honey - Isobel Wendell	204-564-2207 isabel@wendell.ca	both	1-10+ containers	2157
	Calvin Parsons	306-864-2632	both	1-3 containers	2649
Manitoba	Ash Apiaries Ltd. - Bryan Ash	204-548-2036 ext 2221 flash@mymts.net	both	1-10+ containers	2435
	Durston Honey Farms Ltd. - Allan Campbell	204-638-6515, 204-590-9441 allan@durstonhoneyfarms.com	bulk	1-3 containers	2866
	Friesen Prairie Honey - Mark Friesen	204-250-3960 mfriesen.bees@gmail.com	bulk	1-9 containers	2718
	Grysiuk Honey Farms Ltd. - Bryan Grysiuk	204-799-7973 bryang@shaw.ca	bulk	1-9 containers	2711
	Mike and Gloria Honey Farm - Mike Grysiuk	204-479-2971 mggrysiuk@shaw.ca	bulk	1-3 containers	2711
	Mike Grysiuk Honey Farms Ltd. - Michael Grysiuk	204-899-9250 mgrysiuk@mymts.net	bulk	1-9 containers	2711
	Rivercrest Honey Farm - Will Clark	204-724-2373 willmarthoney@gmail.com	bulk	1-3 containers	2541
	West 120 Honey Ltd. - Bruce Podolsky	204-742-3515 west10honey@gmail.com	bulk	1-9 containers	2523
Ontario	Anderkin Foods Inc. - Guy Anderson	1-866-314-3529, 519-396-3529 lazyj@bmts.com	bulk	1-3 containers	2746
Quebec	Miel Abitemis - Marie-Noel Tetreault	819-728-2087 mielabitemis@hotmail.com	both	1-10+ containers	2559

Honey Supplier Database: Packers

Province	Business Name	Contact information	Interested in selling: bulk honey/packed honey or both	# of containers able to supply:	CFIA registration #
Saskatchewan	Big Rose Honey - David and Ken Walter	306-948-6119 (David) davidabrc@gmail.com 306-948-6528 (Ken) kenywalt@gmail.com	both	1-3 containers	2327
	Lalonde Honey Farms - Simon LaLonde	306-931-0155 306-931-1715 simon@tonylalondesales.ca	both	1-10+ containers	2332
	Sun River Honey Inc. - Aaron Comerford	306-292-7612 orders@sunriverhoney.com	both	1-10+ containers	2992
Ontario	Anderkin Foods Inc. - Guy Anderson	1-866-314-3529, 519-396-3529 lazyj@bmts.com	bulk	1-3 containers	2746



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BEE HEALTH

Apiguard® efficacy for controlling Varroa destructor in honey bee (*Apis mellifera*) colonies in Canada

M. Paillard 1, P. Mielgo 2, P. Giovenazzo 3

1 Laval University, Québec, CANADA, 2 Vita (Europe) Limited, Basingstoke, UNITED KINGDOM, 3 Centre de recherche en sciences animales de Deschambault, Deschambault, CANADA

Apiguard® is a varroacide with thymol incorporated in a gel matrix. Apiguard® has two complementary modes of action: 1) bees

ventilate and thymol vapours spread within the colony; 2) bees transport and spread the gel in the colony by trophallaxis. The thymol then eliminates varroa mites by contact. When Apiguard® is used following the label instructions, it is non-toxic for humans and well tolerated by bees. The aim of this work is to conduct an efficacy trial of Apiguard® under typical Canadian apicultural climates and management practices. We tested three different treatments on groups of 12 colonies: 1) negative control (no treatment), 2) Apiguard® dosage 100g/colony/6 weeks (2 consecutive applications of 50 g), and 3) Apiguard® dosage 75g/colony/6 weeks (3 consecutive applications of 25g). Treatments were compared using varroa drop during the treatment period and by calculating efficacy after a follow-up treatment with Apivar® (active ingredient: amitraz). The highest efficacy measured was with the Apiguard® dosage of 2 consecutive applications of 50 g (group 2; 89.8% ± 0.8, $p < .0001$). Furthermore, our results show that this Apiguard® dosage is well adapted for the Canadian climate because environmental temperatures are within the recommended temperatures by company. Temperatures decrease rapidly from September to October and applying a third dosage (as group 3) would not be efficient against varroa.

Wintering Method and Nosema Control in Honey Bees (*Apis mellifera*) under Canadian Prairie Conditions

R. Punko 1, R. Currie 1, M. Nasr 2

1 University of Manitoba - Department of Entomology, Winnipeg, CANADA, 2 Government of Alberta - Agriculture And Forestry, Edmonton, CANADA

Infection of honey bee colonies with *Nosema* spp. has been reported to reduce adult bee populations and brood production, leading to increased winter colony losses. Alberta, one of the Canadian Prairie Provinces, experiences long, cold winters, and *Nosema* is typically among the top four factors causing colony mortality. Climatic differences across the province, as well as differences between wintering method (indoor vs. outdoor), can influence *Nosema* mean abundance in colonies. Fumagillin treatment, which has been shown to reduce *Nosema* abundance, can be applied in the spring or fall, but a need for both seasonal treatments has not been shown. The objective of this study is to determine the effect of geographical location, wintering method, and fumagillin treatment timing on *Nosema* abundance and honey bee colony strength and winter survival in Al-



berta. From May 2017-18, a total of 128 colonies were monitored which were split equally between Edmonton (Northern Alberta) and Brooks (Southern Alberta). In each location, colonies were randomly assigned to one of the following fumagillin treatments: spring only, fall only, spring and fall, and non-treatment control. For the winter, colonies in each location are split equally between being wintered indoors and outdoors. A hemocytometer and quantitative real-time polymerase chain reaction (qPCR) were used to determine spore load and species, respectively. *Nosema* abundance was affected by both location and wintering method. Fumagillin treatment reduced *Nosema* abundance in colonies, however, the treatment did not significantly increase brood area or adult bee population in the months leading up to winter. Though, brood area and adult bee population were significantly greater in Northern than Southern Alberta. Colony winter mortality rates were affected by both wintering method and location. This research provides beekeepers with much-needed information to make appropriate integrated pest management decisions to combat losses due to *Nosema*.

Developing alternative new synthetic miticides for Varroa mites control

R. Bahreini, M. Nasr, D. Feindel

Plant And Bee Health Surveillance Section, Alberta Agriculture And Forestry, Edmonton, CANADA

One of the greatest threats to the honey bee worldwide is *Varroa* destructor. Given the complex interactions between the honey bee and *Varroa* mites, synthetic miticides play a major role in the management of *Varroa*. Within a few years of repeated use of the same miticide, beekeepers began to report the development of resistance to applied miticide. Our research objectives are focused on screening miticides with different modes of action to provide effective options for mite control and management of resistance. Bioassays were established for screening 22 active ingredients (AIs) and their formulated products (FPs) belonging to different family classes of miticides, for their efficacy on *Varroa* and safety to bees under laboratory and field conditions during 2016-2018. In this study, the positive control was the common miticide, Amitraz, with no treatment as the control. To determine LC50 of tested products for the mite and bee mortalities, 20 ml glass vials and 60 ml Masson jars were used for mites and bees, respectively. Each vial or jar was treated with 0.5 ml of each serial dilution of tested compounds. In each vial, 8-10 mites were used and in each jar 10 bees were used. The LC50 was then calculated after 24 h. To determine LD50 after 24 h, a group of 10 mites and 10 bees were topically treated with

0.15 µl /mite and 1 µl/bee of each serial dilution of tested compounds, then placed in vials and jars, respectively. Results indicated the eight of the tested AIs were potentially effective against mites and safe for bees. FPs of promising AIs tested in the lab were evaluated in the field, with Apivar used as positive control. Single brood chamber colonies constructed with three separate compartments, three combs each. Varroa infested bees covered three frames were used. Mite mortalities were determined using sticky boards and efficacy calculated based on using Apivar as a finishing treatment. The field results identified two potential acaricides groups, Pyrazole and Quinazoline, both effective against mite and safe for bees. This is an important first step to developing new synthetic miticides for use in Varroa management systems.

STATUS & CONSERVATION OF POLLINATORS

Pollinators and pollination under pressure: problems and progress with this predicament

N. Raine
University of Guelph, Guelph, CANADA

Roughly one third of the food we eat depends on the services of pollinators. Economically sustainable yields for 75% of global crop types are byproducts of pollinator foraging activity (most importantly bees), moving between flowers collecting food and also carrying pollen to facilitate seed, fruit and nut production. Beyond crops, almost 90% of flowering plant species worldwide rely on animal-vectored pollination, making pollinators an essential part of natural ecosystem function and wider cultural values. Reports of extensive and widespread global pollinator declines raise concerns for agricultural productivity, food security and reduced natural biodiversity. Declines seem to be driven by multiple, potentially interacting environmental stress factors. These include the loss and fragmentation of habitat, increased agrochemical exposure resulting from agricultural intensification, impacts of parasites and pathogens, invasive species and climate change. In this presentation I will review the evidence for, and impacts of, pollinator declines and discuss potential strategies to enhance pollinator health and sustainable agricultural production. The focus and scope of management or mitigation strategies might differ substantially depending on desired conservation outcomes. For example, supporting the habitat requirements of key pollinators (species or communities) for sustainable production of a particular crop might be appreciably different to the needs of targeted pollinator species assessed to be at risk of extinction. Pollinators

are beautiful, fascinating, diverse and essential creatures that we simply cannot afford to lose.

NON-APIS BEE POLLINATION OF CROPS
Wild bees decline with distance into large strawberry fields regardless of edge habitat

G. MacInnis 1, J. Forrest 2
1 McGill University, Montreal, CANADA, 2 The University of Ottawa, Ottawa, CANADA

Flowering crops provide ample floral resources for many pollinators, but the time and duration of bloom and a lack of nesting habitat can reduce the suitability of cropland for many wild bee species. The preservation of potential pollinator habitat on croplands in the form of hedgerows, wildflower strips, and natural and semi-natural areas can help maintain wild pollinator populations in agricultural landscapes. However, the effectiveness of these enhancements in promoting wild pollinator diversity, and their effect on the pollination of the focal crops has been less explored. Here, we compared wild bee abundance and species richness in strawberry crops bordered by hedgerows and in crops bordered by more natural land (forests). We conducted bee diversity surveys in six strawberry fields with hedgerow margins and six strawberry fields with forested margins; all fields were at least 200 m long. We also examined strawberry pollen deposition at regular intervals into the fields and the magnitude of pollinator export from the field margins towards the center of the crops. Strawberry is an ideal crop to investigate pollinator export as the rows are covered with straw, which reduces habitat for ground-nesting bees within the crop; thus, most wild pollinators would need to enter the crop from the margins. We found that crops bordered by forests were no more species-rich or abundant in wild bees than crops bordered by hedgerows. Regardless of edge habitat type, we found that wild bee abundance and richness declined significantly from the crop edge towards crop center, but honey bee abundance did not. Strawberry pollen deposition also did not decline with distance into the crop, suggesting that managed honey bees (*Apis mellifera* L.) were providing most of the pollination at the field scale. Although our previous work indicates that wild bees are more effective (yield-increasing) pollinators of strawberry, their limited foraging ranges and lack of suitable habitat within the crop suggests they cannot provide full pollination to commercial strawberry fields in our area, given typical field sizes. ■

Production and Value of Honey

Statistics Canada

Canada					
Estimates	2015	2016	2017	2018	2019
Number					
Beekeepers	8,615	10,027	10,589	10,661	10,344
Colonies	726,008	767,683	790,668	790,023	773,182
Pounds					
Production of natural honey, total (x 1,000)	92,011	94,578	96,012	94,996	80,345
Dollars					
Value of natural honey, total (x 1,000)	210,483	169,260	190,104	200,816	173,036

Hive Lights Help Wanted

Help Wanted: Fisher Branch (MB)

Interlake Honey Producers Ltd. P.O. Box 328, Fisher Branch, MB R0C 0Z0 has the following positions:
Apiary Technician 5 Positions Available

Required for the 2020 Honey season. Seasonal, full time, days, evenings and some Saturdays. Work is mostly outdoors, so must be able to work under hot conditions. The job starts April 1st - July 1st. End date: Sept 10th- October 31st. Wages: \$13.00 - \$16.00/hour. Minimum 2 years experience preferred. Performance and/or production bonus may be available.

Duties: include but not limited to, feed and care for bees, replacement of hives and production of nucs; moving hives, supering hives, detect and report hive health and apply correct disease cures and/or controls; keep field and/or production records; harvest honey; work on extracting line; cleaning extracting equipment and honey house; raise queens, assemble and maintenance of bee equipment; drive and maintain vehicles; other duties as assigned. Work is very physically demanding, with long days and heavy lifting.

The job is located 2 hours north of Winnipeg in the RM of Fisher NE 33-23-1W in Fisher Branch, MB.

Send resume by mail to Box 328 Fisher Branch, MB R0C 0Z0 or email anita@interlakeforagebees.com

EMPLOYMENT OPPORTUNITIES, New Zealand

Are you looking for your next beekeeping adventure?

We're looking for Beekeepers

New Zealand offers an idyllic outdoor lifestyle. If you are looking for adventure, or want to enjoy the scenery, New Zealand offers it all.

Steen's Honey NZ has been in business for over 30 years. We specialise in cropping manuka, in some of the most picturesque parts of New Zealand. Are you a Beekeeper with at least 3 years' commercial experience? We can offer you experience in the exciting world of Manuka Honey, personal development, competitive remuneration & leadership opportunities. If this sounds like you, please send a cover letter and CV to HRmaster@steenshoney.com

Help Wanted: Kinistino, (SK)

Position 1

Bacon Apiaries Ltd, located in Kinistino, Saskatchewan, is looking for an Apiary worker for the 2020 honey crop season. The job will commence approximately on March 15, 2020 to Oct 31, 2020. Primary duties (but may not be limited to) includes moving hives, feeding and medicating colonies, evaluating colonies, supering hives and harvesting honey, extracting and storing of honey and repairing bee equipment. Availability to work long hours, including week-ends and evenings is required. Salary starting from \$12.30/hr to \$14.00/hr depending on experience.

Position 2

Bacon Apiaries Ltd, located in Kinistino, Saskatchewan, is looking for 5 Honey harvester labourers for the upcoming 2020 honey season. Job duties include using an automatic lift to place full honey supers on a conveyor, running honey frames through an uncapper, moving frames into an extractor, removing empty frames and putting them into supers, stacking them away, making new honey equipment and repairing existing honey equipment. Employees hours will be 40-60 hours/week (5-6 days) with wages starting at \$12.30/hr to \$14.00/hr depending on experience. Employment from July to September 24th 2020. Send resume to rbacon@sasktel.net

Help Wanted: Sexsmith, AB

Location: COUNTY GRANDE PRAIRIE No.1, Alberta

Moondance Honey Inc. located at 55063 TWP RD 750, Sexsmith, AB T0H3C0 has the following positions for the 2020 season. Beekeeper Technician (NOC 8431)-3 seasonal positions, wages \$17 -18/hour, depending on experience. Duties include hive management, queen introduction, nuc production, pest/disease recognition and control, hive supering, honey removal and extraction, equipment construction and repair, and winter hive preparation. Requires 2-5 years of commercial beekeeping experience. Apiary Worker-4 seasonal positions, wages \$15-16/hour depending on experience. Minimum of 1 year beekeeping experience or training. Duties include assisting beekeepers with hive management, supering, honey lifting and extraction, moving hives, and assisting with winter hive preparation. All applicants must be able to work in hot environments while wearing coveralls, handle heavy lifting, and not have allergies to bee stings. Apply to termecrill@yahoo.ca or fax resume to 780-833-5747

Help Wanted: Surrey (BC)

Honeybee Centre is seeking 6 Apiary Technicians, (NOC 8431) for full time (40+hrs/ wk) employment (\$15-\$17.5) from February 15 - October 15, 2020. Must have minimum of 3 years' experience from working fulltime on a Canadian style commercial apiary in the min. capacity of Apiary Assistant or General Farm Worker. Duties include caring for Honeybees in the appropriate manner, coordinating the production

of replacement bees & equipment; recognizing, reporting, monitoring hive health issues and applying appropriate treatment/ controls; harvest honey, pollen and bees wax; supervise small teams of workers; operate and maintain apiary equipment (including fork lifts, pumps, honey extractors); conduct bee yard maintenance. All applicants must be in good physical condition and able to work in a team environment. A valid driver's license may be required for some of the Apiary Technician positions. Positions do require some evening, night and weekend work. Please email a resume to Frank at frank@honeybeecentre.com

Help Wanted: Ardmore (AB)

TNT Apiaries require:

An APIARY FOREPERSON (NOC 8252) for fulltime (40+ hrs/wk) year round employment (\$19.00-\$25/hr depending on experience. Bonuses possible). Applicant must have a minimum of 5 years (seasons) fulltime in a Canadian style commercial apiary environment with a minimum of 3 years (seasons) working as an Apiary Technician.

Duties include:

- Caring for honeybee colonies in the appropriate manner.
- Co-ordinating the production of replacement bees and equipment.
- Recognizing, reporting, monitoring and controlling hive health issues.
- Harvest and package honey, pollen and beeswax.
- Supervise and train workers.
- Drive (including std transmission and medium duty trucks) and daily maintain vehicles.
- Operate and maintain other apiary equipment (including forklifts, chainsaws and pumps).
- Conduct bee yard maintenance.
- Keep field and/or production records.
- Interact with external farm personnel.

5 APIARY TECHNICIANS (NOC 8431) for full time (40+ hrs/wk) employment (\$17.00-\$22/hr depending on experience. Bonuses possible) January thru November 2020. Must have a minimum of 2 years (seasons) working full time on a Canadian style commercial apiary in the min. capacity of Apiary Assistant or General Farm Worker.

Duties include:

- Caring for honeybee colonies in the appropriate manner.
- Co-ordinating the production of replacement bees and equipment.
- Recognizing, reporting, monitoring hive health issues and applying appropriate treatment/controls.
- Harvest and package honey, pollen and beeswax.
- Supervise small teams of workers.
- Drive (including std transmission and medium duty trucks) and daily maintain vehicles.
- Operate and maintain other apiary equipment (including forklifts, chainsaws and pumps).
- Conduct bee yard maintenance.
- Keep some field and/or production records.

6 APIARY WORKERS (NOC 8431) for full time (40+ hrs/wk) employment (\$15.00-\$19.00/hr. depending on experience. Bonuses possible) January thru November 2020. Applicants must be able to work in the presence of honey bees.

Duties include:

- Caring for honeybee colonies in the appropriate manner
- Assisting Technicians with bees and equipment.
- Assisting with harvesting honey, pollen and beeswax.
- Assisting with the bee yard and equipment maintenance.

Some evening, night and weekend work is required of all positions. All applicants must be in good physical condition and able to work in a team environment. A motor vehicle Operator's license with no serious infractions, recognized by the Province of Alberta and major insurance companies, is required for the Foreperson position and preference will be given to those Technicians and Worker applicants holding one.

Contact Dave Tharlie, 44116 - Hwy 659, Ardmore, AB or Box 80, Ardmore, AB. (Fax 780-826-6013) Email: ttapi@mcsmet.ca

Help Wanted: Souris (MB)

HARLTON APIARIES has 5 Seasonal positions available for the 2020 Season

3 Apiary Workers (8431) for April to October 2020 and

2 Apiary Workers (8431) for July to September 2020

Wages \$13 - \$15 per hour depending on experience. 1-2 years experience preferred. Operating a forklift is an asset. A valid driver's license and the ability to speak English is an asset. Duties include assisting with feeding, bee hive maintenance and treatments, moving hives, harvesting and extracting honey, and winter preparation and some building of new hive equipment.

Contact Irwin Harlton, Harlton Apiaries Box 644 Souris (MB) R0K 2C0 204-483-2382, iharlton@mymts.net

Help Wanted: Big River (SK)

West Cowan Apiaries- Big River, SK. S0J 0E0 (SE 14-56-8 W3) is looking to hire the following for the 2020 Apiary Season.

Start Dates: April 6- October 23, 2020

One (1) Supervisor in Apiary- Minimum of 3-4 full seasons of apiary experience required.

Wage: \$14.83- \$20.00 per hour depending upon experience.

Job includes: to work in the presence of honey bees and will assist with colony management; honey extraction and processing; queen-rearing. Recognize and report beehive health issues and apply appropriate disease cures or controls. Supervise and give direction to other employees. Keep field and production records and any other apiary jobs that are required.

Three (3) Apiary Technicians/Workers- Minimum of 1-2 full seasons of apiary experience required.

Wage: \$12.29 - \$14.82 per hour depending upon experience

Job includes: Wrapping and unwrapping hives; spring and fall maintenance; feeding hives; creating nucs; queen-rearing; supering; pulling honey (80+lbs) and carry & stack on the truck deck; extracting honey; moving bees; maintain bee yards; and any other assorted apiary jobs that are required

Requirements for both jobs: No formal education required but with at least a Grade 12 education would be an asset. Have a valid driver's license and have a vehicle to get back and forth to work. Experience driving a standard truck is a asset; be in good physical condition and to work in a team environment.

Employment Details: Seasonal and full time; minimum of 40+ hours per week. Training is provided on an ongoing basis.

Most tasks are performed outdoors in all kinds of weather, work is repetitive and physically demanding.

Location of work: SE 14-56-8 W3- our bee yards are located in the RM's of Big River, Shellbrook and Canwood

Mail or deliver in person your resume with references by Dec. 31st to: West Cowan Apiaries- PO Box 425, Big River, SK. S0J 0E0 Fax to: 306-469-5779 or email to: cwarriner@sasktel.net

Help Wanted: Roblin (MB)

Help Wanted: 3012352 Manitoba Ltd. o/a Wendell Honey Box 1439 Roblin MB. R0L 1P0. Reporting to

work at Wendell Honey, one mile east of MacNutt, Saskatchewan. Transportation provided from there

to various bee yards.

12 full-time positions available at Wendell Honey in 2020

• Apiarist Technician (NOC 8252)

o help with Spring check, hive assessment and manipulation

o help with pest and disease control

o help with grafting, making nucs and raising queens

o assemble equipment

o help super hives

o help harvest honey

o help keep field production records

o help maintain beeyards

o help with Fall feeding, assessment and treatments

o help to wrap bees

o team lead/supervise as required

o other duties as assigned

• Positions available from April 6, 2020 to mid-October 2020

• Min. 2 years of experience working with bees necessary

• Work is physically demanding

• Wages \$15.00 - \$21.00 per hour depending on experience with Wendell Honey

• Possible production bonus

Email Isabel Wendell at isy@wendell.ca for fax 204-564-2568 or phone 204-937-7767

12 full-time seasonal positions available at Wendell Honey in 2020

• Apiary Worker (NOC 8431) to

o assemble equipment

o help super hives

o help harvest honey

o help maintain beeyards

o help with Fall feeding

o help to wrap bees

• Positions available from May 11, 2020 to mid October 2020

• No experience necessary

• Work is physically demanding

• Wages \$12.50 - \$15.00 per hour depending on experience with Wendell Honey

• Possible production bonus

Email Isabel Wendell at isy@wendell.ca for fax 204-564-2568 or phone 204-937-7767

Help Wanted: Austin, (MB)

New Rutherford Apiaries (4647204 Manitoba Ltd) RR#1, Austin, MB R0H0C0

Apiary Technician/Worker 4 Positions

Located north-west of Austin, MB in the RM of North Norfolk (69033), New Rutherford Apiaries requires four full time, seasonal, Apiary Technician/Workers for the 2020 season. The positions start: March 05 - June 05, 2020. End date: September 15 - November 05, 2020.

Duties include helping with: honey harvesting and extracting, feeding and medicating hives, moving hives, making hive increases, queen rearing, building hive equipment, bee yard maintenance and clean-up. Must have at least one season of beekeeping experience. Work is physically demanding, often in a very hot environment with weekend and evening hours required. Wage rate of \$11.85 - \$15.00/hour depending on experience.

Apply to Mike Lewis at: mike-beehive@hotmail.com ph: (204)466-2551 or by mail to above address.

Help Wanted: Mission (BC)**Apiary Workers Needed**

Golden Ears Apiaries Inc., located at 33197 Iro Place, Mission, BC, is seeking 12 Apiary Supervisors at \$14.80/hr starting Feb 1, 2020 until Oct. 31/2020, working 40+ hrs/week. Apiary Supervisors must have a minimum of 3 seasons working full time (40+hrs/wk) in a Canadian style commercial beekeeping operation, and must have a good understanding of honeybee management and have the ability to independently assess hive health and make decisions regarding individual hive management. Also, we require 3 Apiary Technicians at \$14.13/hr working 40+hrs/wk, from March 1, 2020 to Oct. 31/2020. Apiary Technicians must have a minimum of 1-2 seasons working in a Canadian style commercial apiary, as an Apiary harvester. Apiary Technicians will be required to assist Apiary Supervisors with day to day colony management, extracting and honey processing. All positions do require some evening, night and weekend work. All applicants must be in good physical condition and able to work in a team environment. English is an asset as well as a valid driving license. Work will be in southern BC (Fraser Valley). Accommodations available. Contact Carolyn Shipley at jmcshipley@shaw.ca.

Help Wanted: Granum, (AB)

SUPERNUC APIARIES located near Granum, AB (251032 TWP RD 104) has the following positions for the 2020 season. APIARY WORKERS (Technician/worker NOC 8431) 4 positions; wage starting at \$15.00 - \$18.00/hr, needed full time (45+ hrs/wk) from Mar 1, 2020 through October 31, 2020. Some evening, night and weekend work will be required. Accommodations are available. 1 year experience required. Duties include assisting with beehive maintenance and treatments, building and repairing bee equipment, moving hives, harvesting and extracting honey, and winter preparation. All wages are negotiable based on experience and productivity. A valid driver's license and the ability to speak English is an asset. Must be physically fit and accustomed to working with honeybees. Email resumes to aovinge@gmail.com or fax to 403-687-2154.

Help Wanted: Tees (AB)**TEES BEES INC. requires:**

Three APIARY TECHNICIANS (NOC 8431) with a minimum of 2-3 years (seasons) experience working on a Canadian style commercial apiary in the min. capacity of Apiary Worker or General Farm Worker with employment March thru October 2020 (\$15-\$19/hr depending on exp. with possible bonus) (40+ hrs/wk); Duties include: caring for honeybee colonies in the appropriate manner; coordinating the production of replacement bees and equipment; recognizing, reporting, monitoring hive health issues and applying appropriate treatment/controls; harvest and fill honey barrels and containers; supervise small teams of workers; driving and daily maintenance of vehicles; operate and maintain other apiary equipment; conduct bee yard maintenance; keep some field production records. A motor vehicle operator's licence with no serious infractions, recognized by the Province of Alberta and major insurance companies is required.

Five APIARY WORKERS (NOC 8431) with a minimum of 1 year (season) experience and with employment March thru October 2020 (\$15-\$17/hr depending on exp. with possible bonus) (40+ hrs/wk); Duties include caring for honeybee colonies in the appropriate manner; assisting Technicians with bees and equipment; assisting with harvesting honey; assisting with the bee yard and equipment maintenance.

All wages are negotiable based on experience and productivity. Applicants must be able to work in the presence of honey bees. All positions may require some evening, night & weekend work. All applicants must be in good physical condition and able to work in a team environment. Ability to speak English is an asset. Contact Jeremy Olthof at 23318-Hwy 50, Tees, AB; mail to RRI, Tees, AB T0C 2N0; or email at teesbeesinc@gmail.com.

Help Wanted: Fort Macleod (AB)

POELMAN APIARIES LTD. located near Fort Macleod, AB (102007A Range Rd 254) has the following positions available for the 2020 season: 6 SUPERVISORS (SKILLED WORKER, NOC 8253) with a minimum of 5 years (seasons) experience working at a Canadian apiary. Employment needed from March through October 2020; wage starting at \$15.00 - \$17.50 (depending on exp. with possible bonus) (40 + hrs/week). Duties will include: caring for honeybee colonies in the appropriate manner; coordinating the production of replacement bees and equipment; recognizing, reporting, monitoring hive health issues and applying appropriate treatment/controls; harvest and fill honey barrels and containers; supervise small teams of workers; driving of vehicles; operate and maintain other apiary equipment; conduct bee yard maintenance.

18 TECHNICIAN/WORKERS (LOW SKILL WORKER, NOC 8431) with a minimum of 1-2 years experience. Employment needed from April through November 2020; wage starting at \$15.00-\$16.50 (depending on exp. with possible bonus) (40 + hrs/week). Duties will include: caring for honeybee colonies in the appropriate manner; assisting Technicians with bees and equipment; assisting with harvesting honey; assisting with the bee yard and equipment maintenance.

2 GENERAL FARM LABOURERS (LOW SKILL WORKER, NOC 8431) experience is an asset but will be trained. Employment needed for April through November 2020; wage starting at \$15.00 per/hour (with possible bonus) (40 + hrs/week). Duties will include: Supering and harvesting honey, cleaning honey extraction and storage equipment, barrel moving prep, filling and storage, manufacture and assemble and maintain hive equipment, and bee yard maintenance.

All wages are negotiable based on experience and productivity. Housing is available. Applicants must be able to work in the presence of honey bees. All positions may require some evening, night & weekend work. All applicants must be in good physical condition and able to work in a team environment. Ability to speak English is an asset. Email resumes to pollenpal@gmail.com attention Poelman Apiaries or fax to 403-687-2410 or mail to Box 1887 Fort Macleod, AB T0L 0Z0.

Help Wanted: Shellbrook, (SK)

Hannigan Honey Inc. Located at #9 Shell River Road, Shellbrook, SK. is now accepting applications for 8 Apiary Harvest Labourers/worker (NOC 8431).

These positions are available on a seasonal basis (45+ hrs/week), running from July to October 2020. Duties include honey extraction, cleaning extraction and storage equipment, filling containers, cleaning and maintaining hive equipment. Workers are required to be mentally and physically fit and must be able to work in the presence of bees. Wages start at \$11.06 - \$13.85/per hour. Please send resume to Dave Philp, Box 367 Shellbrook, SK. S0J 2E0 or email hanniganhoney@sasktel.net.

Help Wanted: East of Saskatoon (SK)

Meadow Ridge Enterprises Ltd requires 5 Seasonal Apiary Harvest Labourers for the 2020 season. Meadow Ridge Enterprises is commercial beekeeping and queen rearing operation. 5 full time seasonal positions are needed commencing in April and ending in October. Minimum one year beekeeping experience, with wage starting at \$12.30 - \$15.00 per hour dependent on experience. Potential to earn bonuses. Duties include: spring feeding, hive maintenance, grafting, raising new queens and building nucs. Supering hives, harvesting honey, extraction of honey, fall feeding, wrapping of colonies, equipment cleaning, repairing and yard maintenance. Must be able to work long hours, weekends and holidays in all kinds of outdoor weather. Job requires heavy lifting, and a valid driver's license. Meadow Ridge Enterprises is located 10 miles east of Saskatoon. Please email resumes to a.j.robertson@sasktel.net

Help Wanted: Nipawin, SK

Yves Garez Honey Inc, P.O. Box 2016, Nipawin, SK, S0E 1E0 seeks employees for the March 2020 to October 2020 season at facilities located 10 km North-East of Nipawin, Saskatchewan.

Good work ethics, health and stamina essential, for hard work, heavy lifting, long days including some weekends. Those allergic to bee stings and work need not apply.

-8 Apiary Technicians (NOC 8252) with experience in handling bee hives including unpacking and packing, checking, feeding, medicating, cleaning, moving, splitting, supering, raising queens, as well as harvesting and extracting honey. Wages \$ 15.00 to \$ 20.00 per hour, depending on experience.

-8 Apiary Workers (NOC 8431) without experience. We will train successful applicants in bee yard maintenance and hive manipulations. Wages \$ 11.50 to \$ 14.00 per hour. email: y.garez@sasktel.net

Help Wanted: Kinistino, SK

Seeking skilled apiarist to take on Manager of operation role, working directly under the CEO. Must have 5 years beekeeping and management skills and or training. Experience and fluency in English a must. More details available via email. Wage as per NOC code median wage for this position with opportunity for bonuses and continued employment.

Apiary Harvest Labourers and Apiary Harvest workers required for seasonal work in a commercial honey production and bee rearing operation for the 2020 season.

Three Apiary Harvest Labourer positions available for 5-7 months (starting no earlier than February). Labourers perform (but are not limited to) tasks such as supering hives, harvesting honey, cleaning honey extraction and storage equipment; barrel filling and moving; repair, assemble and maintain hive equipment and bee equipment; bee yard maintenance. Knowledge of the industry, a valid drivers licence and English speaking skills an asset but not mandatory. Wage starts at \$11.35/hr with subsidized housing option, transportation and potential for bonuses based on performance, attitude and character.

Three Apiary Harvest worker positions available for up to 8.5 months (Feb to November). Apiary Harvest Workers perform (but are not limited to) tasks such as supering hives, harvesting honey, cleaning honey extraction and storage equipment; barrel filling and moving; repair, assemble and maintain hive equipment and bee equipment; bee yard maintenance; assist with colony manipulation; assist with colony treatments; assist with moving colonies; assist with feeding colonies. Canadian beekeeping industry knowledge, 1 year experience, valid drivers licence and English skills required. Wage starts at \$12.35/ hr+ with subsidized housing option, transportation and potential for bonuses based on performance, attitude and character.

Availability to work long hours, evenings/nights, holidays and weekends is required for all positions. Work is faced paced and physically demanding with heavy lifting. Must be able to work in all weather conditions. Email resume and cover letter with references to B's Bee Ranch Inc at beeranch@sasktel.net

Help Wanted: Austin (MB)

Full time seasonal Apiary/Farm foreman (NOC 8252) and Apiary Laborers or Workers (NOC 8431) positions available at Busy Bee Apiaries Ltd. honey farm near rural Austin, MB., Road Lane #63074 for the 2020 season.

Apiary/Farm Foreman (1 position) and Apiary Laborers or Workers

(7 positions).

Apiary/Farm Foreman: April 1 - Oct. 31/2020. Duties: supervisory duties, all apiary management like checking, medicating, feeding bee hives, queen & nuc production, harvesting/extracting honey, maintenance of all kinds, transporting bee colonies, woodworking, organizing, clean-up, other duties as assigned. Must have valid drivers license and English writing and speaking skills. Wages: \$15.00-\$20.00/hour based on qualifications. Looking for a minimum of 5 years beekeeping experience.

Apiary Laborers or Workers: 2 positions, April 1-Oct 31/2020, 5 positions, June 1-Oct. 15/2020.

Duties: All supervised hive management, like checking, medicating, feeding bee hives, queen and nuc production, harvesting/extracting honey, woodworking, clean-up, other duties as assigned.

Wages: \$12.09-\$15.00/hour based on experience/ability. Drivers license an asset, No education requirements. Hours of work for all positions are generally Monday-Friday and Saturdays as required and 08:00-18:00 but longer if required.

Send resume to Busy Bee Apiaries Ltd. Box 358, Austin MB., R0H1 OCO, or email: pilotman1977@gmail.com

Help Wanted: MacGregor, MB

11 SEASONAL BEEKEEPERS (Applicants must be permanent residents or citizens of Canada)

4 Apiary Technicians, wage range \$13.50-\$16.50/hr

7 Apiary Workers, wage range \$12.25-\$13.75/hr

Expected employment duration (Mar 1/20- Oct 31/20), two positions of apiary workers (Mar 1/20-Feb 28/22)

Start/end dates are flexible. Valid driver's license an asset, previous work exp. is necessary for technicians and recommended for apiary workers. Candidates must be willing to work flexible hours in a fast paced, repetitive & physically demanding environment. Duties include: assess, feed, and medicate honeybee colonies, remove/extract honey, split/balance/relocate colonies, clean/collect pollen, build/repair beehive equipment, and perform routine light maintenance on machinery/vehicles.

Contact: Nichol Honey Farm Ltd., Box 461, MacGregor, MB, R0H0R0. Phone (204) 252-2770, Fax (204) 252-2129, or e-mail nicholhoney@yahoo.ca

Help Wanted: Falkland (BC)**GENERAL FARM WORKER (APIARY)**

Honey Onyx Apiary Inc.

3265 97 Highway Falkland, BC V0E 1W1 Canada

Job Type: Full-Time, Temporary

Worker starts March 15, 2020 until October 15, 2020

Nature of position: Temporary, full-time (40 hours per week, 8 hours per day)

Wage: \$15 per hour

Vacation: 4% in lieu of paid vacation days

Other benefits: Housing is provided by employer

Language: English or Spanish

Education: No degree, certificate or diploma

JOB DUTIES. The following duties will be performed in this position:

- Beeyard spring check and preparation to receive nucs
- Frames and beehives assembly
- Cleaning and maintenance of the working areas (including the beeyard)
- Nucs reception and insertion in broodboxes
- Queens reception and introduction to nucs
- Nucs/Beehives feeding
- Add suppers on crop season
- Suppers loading and downloading
- Beehives movement
- Honey Crop
- Honey Crop Extraction
- Frames cleaning/melting
- Wax melting
- Beehives Sanitary Treatments
- Winter preparation

The successful applicant will possess, at a minimum, the following skills and/or experience:

- Proven beehives and honey extraction experience (of a minimum 1 year on apiary type of farm, letter of experience must be provided)
- Driving license
- No criminal records

Help Wanted: East Selkirk (MB)

Apiary Supervisor 1 position (NOC 8252) Minimum 3 years beekeeping experience preferred. Wage range \$13.37-\$16.50 per hour. Employment from March 1/2020 to November 30/2020

Apiary Technician/ Workers 3 positions (NOC 8431) \$12.00 -13.50 per hour . Employment from March 1/2020 to October 31/2020. Minimum 1 year experience required.

Seasonal full time, days, evenings, Saturdays. Language is English. Duties would be to handle, feed and care for bees; help in replacement of hives and production of nucs; move hives; collect honey; maintain and drive vehicles; maintain bee yard; manufacture, assemble and maintain beehive equipment; maintain and operate other apiary related equipment; Must be able to handle heavy loads, and work is physically demanding. Must work well with others, as well as the ability to maintain basic production records. Report to Supervisor. Would require steel toed safety boots. Send resume by email to philip@wald-bee.com. Address: Waldbee Honey Farms Inc. Box 9 Group 19 RRI, East Selkirk, MB. R0E 0M0

Help Wanted: Zenon Park, (SK)

10 Apiary Workers (NOC 8431) with a minimum of 2 years experience working at a Canadian Apiary.

- Start date March 1st, 2020 to Oct 15th, 2020 (Full time seasonal position)

- Wage Starting at \$13-\$18 (Depending on experience) (40+hrs/week) Job duties include but not limited to:

- Working outdoors in all Canadian climates. (Snow, Rain, Sun, Wind)

- Assist with the needs of a colony at every point of the season.

- Assist in recording apiary data and process data to organize equipment for the following apiary visits.

- Assist to apply colony treatments in an appropriate manner/timing.

- Make new colonies and care for new queens.

- Assist in raising queens

- Work to keep a clean work environment.

- Work in supering, harvesting honey, maintain old/new hive equipment, feeding, cutting grass, building bear fences, moving bees, and filling barrels.

Applicants must be in good physical condition. Able to work with bees. Able to speak English is an asset. Driver's license is also an asset. Weekend/evening work when required.

Help Wanted: Shellbrook (SK)

Hannigan Honey Inc. requires the following helpers for the 2020 season:

2 Apiary Supervisors (NOC 8252) for full time (40+ Hrs/wk) seasonal employment (\$14.83 - \$16.50/ hr) experience pending, March through October 2020. Applicants must have a minimum of 10 years experience in Canadian commercial beekeeping and have worked at least 3 years as an apiary technician. Duties will include supervising and training workers to care for bee colonies, recognizing, reporting, monitoring and controlling hive health issues, including assessing feed requirements. Harvesting and packaging honey. They must be able to drive (incl. Standard transmission and medium duty trucks, and maintain vehicles daily). Operate and maintain other apiary equipment such as forklifts, chainsaws and pumps. Keep field and production records. Must be able to interact with local farmers and land owners.

10 Apiary technicians (NOC 8431) for full time (40+ Hrs/wk) seasonal employment (\$12.29 - \$14.82 /hr experience pending), March through October 2020. Must have a minimum of 1yr (season) working full time on a Canadian style commercial apiary. Duties will include unpacking and repacking winterized hives; caring for the colonies; recognizing, reporting and monitoring hive health issues and applying appropriate treatment/ prevention methods; harvesting honey; build and repair bee equipment; must have valid driver's license; conduct bee yard maintenance; fill out record keeping sheets, must be physically fit and able to reach, bend, crouch, kneel and withstand heavy lifting.

6 Apiary workers (NOC 8431) for full time (40+ Hrs/wk) seasonal employment (\$11.32 - \$12.28/hr) from March through October 2020. Applicants must be able to work in the presence of Honey bees; be mentally and physically fit; work well with others; able to follow instructions. Duties include unpacking and repacking winterized colonies; caring for honey colonies; assisting with harvest; assisting with bee yard maintenance; assist in building and repair of bee equipment; it is preferred if you have a valid drivers license. Must be physically fit and able to reach, bend, crouch, kneel and withstand heavy lifting.

Location: Hannigan Honey #9 Shell River Road, Shellbrook, SK - 1 km N. of Shellbrook

Contact: Murray Hannigan by email: Hanniganhoney@sasktel.net or send resume to Box 367 Shellbrook, Sask. S0J 2E0

Help Wanted: Falun (AB)

PLEASANT VALLEY HONEY PRODUCERS LTD. (SW 15-46-27-W4 near Falun, AB) requires:

Ten APIARY TECHNICIANS (NOC 8431) with a minimum of 2 years (seasons) experience working on a Canadian style commercial apiary with employment March thru December 2020 (\$15-\$18/hr to start depending on experience (40+ hrs/wk).

Help Wanted: Gunton, (MB)

Languages: English

Education: No degree, certificate or diploma

Experience: Experience an asset

Work Conditions and Physical Capabilities

Fast-paced environment, Work under pressure, Repetitive tasks, Handling heavy loads, Physically demanding, Sitting, Combination of sitting, standing, walking, Standing for extended periods, Walking, Bending, crouching, kneeling, Overtime required

Work Location Information: Rural area Work Site Environment Outdoors, Hot

Personal Suitability Specific Skills

Feed and tend animals, Operate and maintain farm machinery and equipment, Apiary work, Write daily basic progress reports

Apiary and Honey Harvesting Specific Skills Honey farm, Honey bees, Harvesting honey

Phone: 204-513-0529 Contact Jake Maendel

Help Wanted: Stony Plain (AB)

TPLR HONEY FARMS LTD. require three Apiary Technicians \$15.00-\$18.00/hr., five Apiary Workers \$15.00-\$17.00/hr needed full time (44+ hours/week) April-October 2018. Three Apiary workers, \$15.00-\$16.00/hr needed full time, 44+ hrs/wk July-September 2018 in Stony Plain, AB at TPLR Honey Farms Ltd. Accommodations pro-

vided. Some evening, night and weekend work. All applicants must be in good physical condition and able to work in a team environment. The Apiary Technicians must have a minimum of 2+ years (seasons) full-time in a Canadian style commercial apiary with a minimum of 1 years (seasons) working as an Apiary Worker or Apiary Technician. The Apiary Workers must be able to work in the presence of honey bees & will assist with honey bee colony management & honey extraction/processing. The Apiary Workers must have a minimum of 1+ years (seasons) of working in a Canadian style commercial apiary as an Apiary Harvester or Apiary Worker. TPLR Honey Farms Ltd., Tim Townsend, Stony Plain Alberta. tim@tplrhoneyfarms.com

Help Wanted: Creston (BC)

Honey Bee Zen Apiaries Ltd. is seeking 2 Apiary Technicians, (NOC 8431) for full time (40+hrs/ wk) employment from March 15 - October 31, 2020. Wages \$15 to \$20 per hour, depending on experience. You must have a minimum of one year/season working full-time on a Canadian style commercial apiary, have a valid driver's license and not be allergic to bee stings.

We are a regional retail honey producer and pollination services provider; as such your duties include caring for honeybees in the appropriate manner, coordinating the production of replacement bees & equipment; recognizing, reporting, monitoring hive health issues and applying appropriate treatment/ controls; harvesting honey, pollen and beeswax.

You may supervise small teams of workers, operate and maintain apiary equipment (including forklifts, trucks and pumps) and conduct bee yard maintenance. You will also be required to operate extractors and other honey house equipment and perform extraction/production duties.

All applicants must be in good physical condition and able to bend, crouch, kneel and withstand heavy lifting. Positions do require some evening, night and weekend work. Please email Amanda, info@honeybeezen.com

Help Wanted: Kinistino (SK)

Apiary Harvest Labourer

Baconian Bee Farm Ltd, located at 102 Ruttle Avenue in Kinistino, Saskatchewan, is looking for three employees for the 2020 honey crop season to fill the position of apiary harvest labourer. The job is seasonal full-time and will commence on or about March 25, 2020 and conclude on or about October 25, 2020. Primary duties include, but are not limited to, moving colonies, feeding and medicating colonies, evaluating colonies, adding and removing supers from colonies, harvesting and extracting honey, storing honey and repairing bee equipment. Availability to work long hours, including week-ends and evenings is required. Previous experience would be an asset but is not a requirement as all employees receive the necessary training. A valid drivers licence and English speaking skills would be an asset but not a requirement. Salary starting from \$12.35 and up for applicants based on years of previous experience. Apply by date is December 29, 2019. Send all inquiries and/or your resume by e-mail to dionebacon13@sasktel.net

Help Wanted: Shellbrook (SK)

Sand Hills Honey, PO Box 247, Shellbrook, SK. S0J 2E0

April 1 to November 15, 2020 Dates may vary according to weather

Beekeeper Labourers \$11.50/hr

Beekeeper Technicians \$12.29/hr

Apiary Supervisor \$14.83/hr (Min 4 yrs exp.)

Bonuses may be awarded

Primary work place is Sand Hills Honey, located 14.5 km South of Shellbrook.

No previous work experience required for labourers, no education required, drivers licence not required but an asset.

Job duties include but not limited to: assist with honey extraction, cleaning and maintaining hive equipment, unwrapping and wrapping hives, all training will be provided. email: jasonrinas@hotmail.com

HELP WANTED: Rocanville (SK)

APIARY TECHNICIAN

5 seasonal positions available from April 21 - October 21 (2020).

Reporting to work at B. Strong Apiaries Ltd. 1 mile south west of Rocanville, Sk. (NE 17-16-31 W1)

Wages dependent on experience (\$14.28 - \$17.00) Possible production bonus at end of the season.

Duties include but are not limited to: Unwrapping/wrapping hives, colony manipulation, application of honey bee treatments, making nucs, supering, maintaining equipment and a clean shop, pulling and extraction of honey, moving and feeding hives, keeping accurate and up to date yard records, etc.

Requirements;

-Minimum of 2 years beekeeping experience.

-Must not be allergic to honey bee stings.

-The work is physically demanding, applicants must be in strong and active physical condition to maintain the safe work environment.

-Required long hours and occasional weekend/holiday work (minimum 40hours a week).

-Must work well with others, and able to work long hours in the heat.

-Ability to speak English is an asset but not a requirement.

APIARY WORKER

6 seasonal positions available from April 21 - October 21 (2020).

Reporting to work at B. Strong Apiaries Ltd. 1 mile south west of Rocanville, Sk. (NE 17-16-31 W1)

Wages dependent on experience (\$13.00 - \$15.00) Possible production

bonus at end of the season.

Duties include but are not limited to; Assisting apiary technicians in the unwrapping/wrapping of hives, colony manipulation, application of honey bee treatments, making nucs, supering, maintaining equipment and a clean shop, pulling and extraction of honey, moving and feeding hives, safely securing truckloads of honey/equipment, etc.

Requirements;

-Must not be allergic to honey bee stings.

-The work is physically demanding, applicants must be in strong and active physical condition to maintain the safe work environment.

-Required long hours and occasional weekend/holiday work (minimum 40hours a week).

-Must work well with others, and able to work long hours in the heat.

-Ability to speak English is an asset but not a requirement.

APIARY WORKER

6 seasonal positions available from July 3rd - September 15 (2020).

Reporting to work at B. Strong Apiaries Ltd. 1 mile south west of Rocanville, Sk. (NE 17-16-31 W1)

Wages dependent on experience (\$13.00 - \$15.00) Possible production bonus at end of the season.

Duties include but are not limited to; Cleaning warehouse at start of season. Daily upkeep and maintenance of extracting area/honey house, extraction of honey, cleanup after extraction season, painting of honey supers, painting and other general upkeep of the honeyhouse. etc.

Requirements;

-Must not be allergic to honey bee stings.

-Required long hours and occasional weekend/holiday work (minimum 40hours a week).

-Must work well with others, and able to work long hours in the heat.

-Ability to speak English is an asset but not a requirement.

Contact Brian Strong @ bstrong@sasktel.net or fax resume to (306) 645-4591

Help Wanted: Aylsham (SK)

Valleau Apiaries Ltd @ Aylsham, Sk requires Apiary Workers for 2020 Apiary technician (at least one year beekeeping experience)

Duties to include preparing bees for honey production, harvesting and extracting honey, preparing bees for winter and any related duties. Some evenings and weekends required.

7 positions available April to October, wages starting at \$14.50 based on experience

Apiary labourer (no experience)

Duties to include harvesting and extracting honey, preparing bees for winter and any related duties

12 positions available July to September, wages starting at \$12.00

On the job training provided. Manual labour, heavy lifting. Located in a rural area NW33-48-12-W2.

Please do not apply if you have a bee sting allergy.

Mail resumes to Valleau Apiaries Ltd @ Box 7, Aylsham, SK S0E 0C0 or fax to 306-862-3682 or email to valleau.apiaries@sasktel.net

Help Wanted: Langenburg (SK)

6 Apiary Technicians available from February 2020 to October 2020.

The work is physically demanding and the wages are \$18.00 negotiable on experience.

Required Skills:

- Help with Spring check, do hive assessment

- Help with pest and disease control

- Help with Queen Raising, grafting, building, maintaining nucs

- No education required, but 2 years beekeeping experience required

14 Beekeeper's Assistants seasonal: F-T \$14.00 an hour depending on experience.

We require help in all work related to the production of honey.

Duties include:

- Making brood chambers

- Honey removal

- Feeding bees

- Wrapping bees

- Some woodwork is involved

Mail, fax or email your resume to:

Glory Bee Honey, P. O. Box 878 Langenburg, SK S0A 2A0

Att: Dennis Glennie Phone: 306-743-5469. Fax: 306-743-2817 Email: dennisglennie@sasktel.net

Help Wanted: Ethelbert (MB)

EMPLOYMENT OPPORTUNITIES

WEST 10 HONEY LTD, PO Box 205, Ethelbert, MB R0L 0T0 has the following positions available:

APIARY TECHNICIAN (6)

Wage: \$13.00 - \$16.00. Dates Required: March 1, 2020 for up to 8 months. Minimum 3 years experience preferred.

Duties: Handle and feed hives; Replacement of hives and production of nucs; Detect and report hive health and apply correct disease cures and/or controls; Keep field and/or production records; Harvest honey; Raise queens; Drive and maintain vehicles; Other duties as assigned.

THE POSITIONS: Seasonal full time, days, evenings, Saturdays as required; Medical Benefits; Language is not a requirement however English and Spanish are preferred; Must have own transportation; Must be able to handle heavy loads as work is physically demanding; Must work well with others and be able to learn continuously. Contact Darlene H. Dudar

Send resume by mail to above mailing address or by email to workatwest10@gmail.com.

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