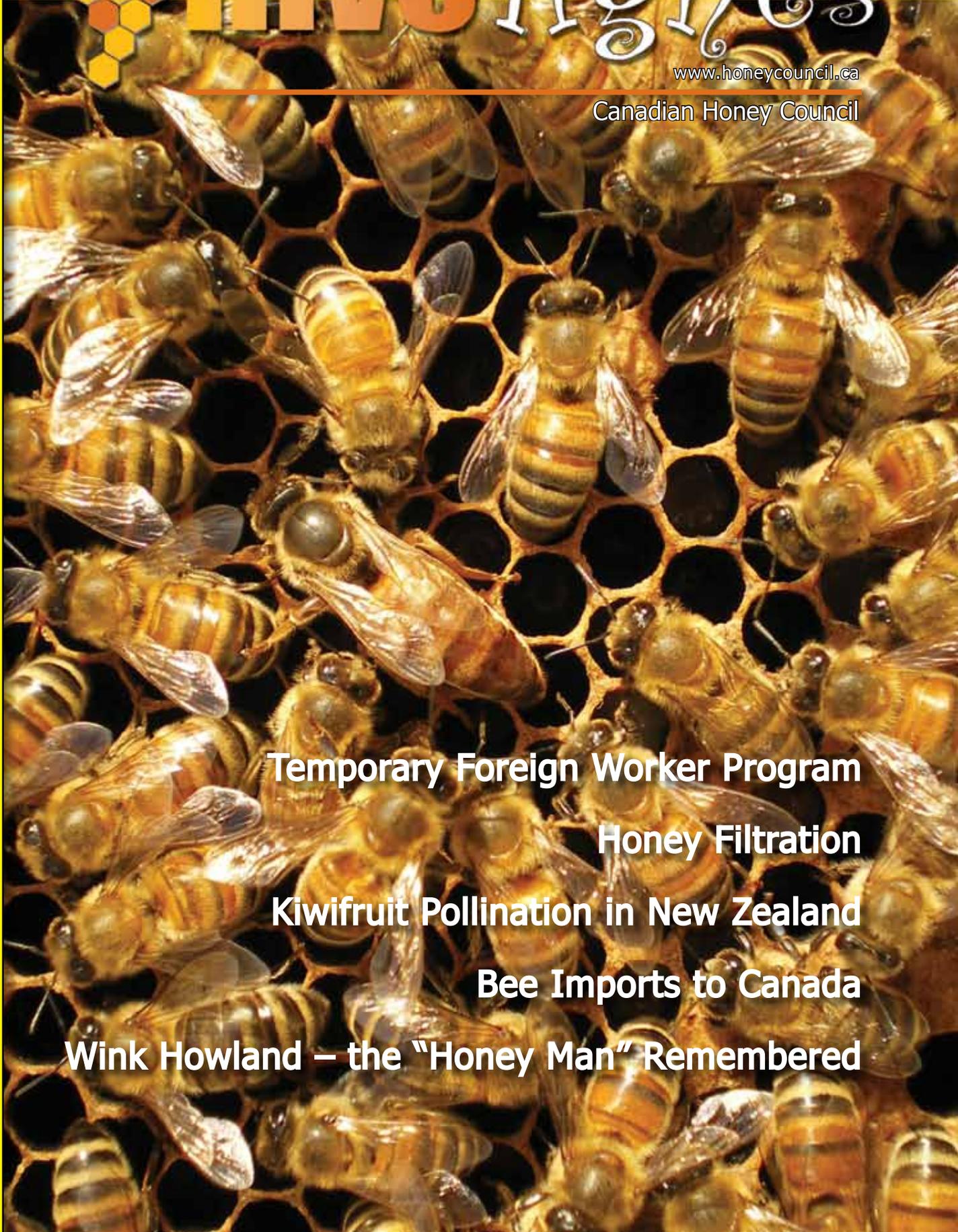




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Canadian Honey Council

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HiveLights

February 2012 Vol 25 #1



Italian queen with workers.
Photo: Jim Campbell, MB

The colour of the spine of Hivelights has changed to yellow for 2012 to match the international code for marking queens. A quick way to remember the code:

When	White	1/6
You	Yellow	2/7
Requeen	Red	3/8
Get the	Green	4/9
Best	Blue	5/0

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Canadian Honey Council Report

Rod Scarlett, Executive Director, CHC

2011 has come and gone and it only seems like a few short months ago that I had the tremendous opportunity to begin working for the beekeepers of Canada. It has been both rewarding and invigorating and as I continue to learn more about the intricacies of the industry and I am certain there is a lot more to come. I would be remiss if I didn't thank the Board members for their guidance and without playing favourites, singling out Gordon Marks and Jerry Poelman for their wisdom and knowledge. I am also sure that I would have never made it through without the support and hard work of Corey Bacon. Corey's commitment to the Canadian Honey Council was an example that I tried to emulate.

The final couple months of 2011 and the first month of January have been busy. The CBISQT agreement with the consultant Robert McDonald officially got under way November 1st. Tim Townsend and Robert have been doing the majority of the initial work finalizing a flow chart. The contribution agreement will be signed and the budgeting and reporting requirements have been put in place. A second application for funding will be completed to cover the publication, translation and communication of the final producer friendly document.

In November, I attended portions of the Alberta Beekeepers Commission



AGM as well as the lunch of the Alberta Honey Producers Co-operative meeting. I presented to the Senate committee on Forestry and Agriculture and the Ontario Beekeepers Association AGM. In each case I think went quite well.



OBA's Annual Meeting. Photo: Rod Scarlett

The CHC Board created a sub-committee to research and recommend a strategy to address the small hive beetle issue. It had discussions with CFIA and information on potential solutions were discussed and distributed. I expect that a national strategy will already be agreed upon when you read this as I hope it will be solidified at our AGM in late January.

The Board was busy with labour issues as Saskatchewan and Manitoba beekeepers are now being serviced through offices in Vancouver. This has proven troublesome and the CHC will continue to work with HRSDC to solve the various issues that have arisen.

Work continues on Apimondia and we are getting a great deal of support from other associations in particular Ontario. Aside from Les Eccles representing the CHC on some of the technical committees, Paul Kozak has agreed to do some arranging and the OBA is looking closely at holding their AGM near the Quebec border to facilitate greater participation. Special commendations should go out to Pierre Giovenazzo for taking



OBA's Trade Show. Photo: Rod Scarlett

the lead in organizing the technical components of the program.

With the first year of my involvement with the CHC now in the books, I look forward to the new year with all the challenges it will bring forth.

L'année 2011 vient de se terminer et cela fait déjà quelques mois depuis que j'ai eu l'occasion incroyable de commencer à œuvrer pour les apiculteurs du Canada. Jusqu'à présent, cette expérience a été enrichissante et stimulante et j'en ai appris beaucoup sur les aspects complexes de cette industrie. Cependant, je sais qu'il y a beaucoup de choses à venir. Ça serait négligent de ma part de ne pas remercier les membres du conseil pour leur encadrement et, sans vouloir favoriser qui que ce soit, je tiens à remercier Gordon Marks et Jerry Poelman pour leur sagesse et leurs connaissances. De plus, je vous avoue que je n'aurais pas pu y arriver sans l'appui et le travail acharné de Corey Bacon. L'engagement de Corey envers le Conseil canadien du miel a été un modèle que j'ai tenté d'émuler.

Les deux derniers mois de 2011 et le premier mois de janvier ont été des mois très occupés. L'entente du CSQSIA avec l'expert-conseil Robert McDonald est entrée en vigueur officiellement le 1^{er} novembre 2011. Tim Townsend et Robert ont effectué la majeure partie du travail initial en finalisant un organigramme. L'accord de contribution sera signé et les exigences relatives à l'établissement du budget et des rapports ont été mises en place. On effectuera une seconde demande de financement afin de couvrir les frais de publication, de traduction et de communication du document officiel du producteur final.

En novembre, j'ai assisté à certains segments de l'AGA de l'Alberta Beekeepers Commission, ainsi qu'au déjeuner de la réunion de l'Alberta Honey Producers Co-operative. J'ai

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Membership in CHC

National organizations with a vested interest in honey bees, in addition to the existing provincial beekeeper organizations, are eligible for membership in the Canadian Honey Council. Applications are subject to review by the CHC Membership Committee. Those associations that meet established criteria are then considered for approval by the Board of Directors. Application form available from CHC office.

fait une présentation sur la foresterie et l'agriculture auprès du comité sénatorial et lors de l'AGA de l'Ontario Beekeepers' Association (OBA). Je crois que tout c'est assez bien déroulé dans les deux cas.

Les membres du Conseil canadien du miel (CCM) ont créé un sous-comité de recherche et ont recommandé une stratégie visant à adresser le problème du petit coléoptère des ruches. Ils ont eu des discussions avec l'ACIA à ce sujet et des renseignements relatifs aux solutions possibles ont été discutés et distribués. Je m'attends à ce qu'une stratégie nationale aura déjà été approuvée lorsque vous lirez la présente circulaire et j'espère qu'elle sera officielle lors de notre AGA à la fin de janvier.

Le conseil a été très occupé avec des problèmes de main-d'œuvre puisque les apiculteurs de la Saskatchewan et du Manitoba se voient maintenant desservis par les bureaux de Vancouver. Cela s'est avéré inquiétant et le CCM va continuer de travailler avec le RHDCC afin de résoudre les divers problèmes qui sont survenus.

Le travail se poursuit avec l'Apimondia (Fédération internationale des associations apicoles) et on reçoit beaucoup d'appui des autres associations, en particulier de l'Ontario. À part Les Eccles, représentant le CCM au sein de certains comités techniques, Paul Kozak a accepté de faire certains arrangements et l'OBA examine de près la possibilité d'organiser leur AGA près de la frontière du Québec afin d'encourager une plus grande participation. Nous devrions aussi faire une mention élogieuse à Pierre Giovenazzo pour avoir accepté de prendre en charge l'organisation des aspects techniques du programme.

Puisque ma première année de participation avec le CCM fait maintenant partie des registres, j'ai hâte à la nouvelle année et aux défis qu'elle dressera sur mon chemin.

Importation of bee products (update)

which include:

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- bee products for bee feeding such as honey, pollen and frozen or dried royal jelly
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- used beehives or bee equipment

The importation of these products falls under the Animal Health Program and have specific import requirements (e.g., application for an import permit prior to the import, irradiation depending on end use) to bring these products into Canada. The import policy was updated January 5, 2011.

<http://merlin/english/anima/heasan/policy/importe.asp>
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Connie Zagrosh, email: Connie.Zagrosh@inspection.gc.ca



Regional Reports

Maritimes

The Government of New Brunswick continues to support commercial beekeepers and the Bee



Paul Vautour

Incentive Program has moved from one of recovery to growth.

Commercial beekeepers make up approximately 10% of the 200 beekeepers in New Brunswick and there is public interest that may cause those numbers to increase. However, there are indications that small size beekeepers are opting out of the New Brunswick Beekeepers Association due (in part) to the cost of membership. There is an unconfirmed report that one of the largest beekeepers in New Brunswick suffered severe losses and is in the rebuilding stage. This resulted in a proportionate shortage of wild blueberry pollination in north-eastern N.B.; and several small, independent growers from that area have formed a co-operative - intending to invest in beekeeping for their own needs. An interesting report was received from one N.B. beekeeper that suffered a late-year visit by a bear. The destroyed frames contained brood in December! Some of the hives that were moved

by hand felt lighter than expected. Speculation is, because of unprecedented mild weather, the queens keep laying which could have a deleterious effect on honey stores for overwintering.

The Prince Edward Island representative indicated that tracheal mites were discovered in Nova Scotia but, because of the critical demand for blueberry pollination on the island, a agreement was reached to not close their border to imports from N.S. There are no details on how the movement of bees from N.S. to P.E.I. will be monitored. The Government of P.E.I. has continued with a bee expansion program for local beekeepers with financial incentives to purchase livestock and beekeeping hardware. There is a renewed sense of optimism among the beekeepers and their organization.

Nova Scotia reports that the hives going into winter were fair but not as good as hoped although numbers were quite consistent. Testing indicated that varroa mite levels were found to be higher than anticipated. Honey production for the season was about average, and local queen production was so good that supply exceeded the demand. There are early indications that there will be a strong demand for bee colonies to pollinate wild blueberry crops. Former

CHC delegate, Phil Jantz, is reported to be in hospital with a debilitating illness but is in good spirits under the circumstances.

Québec

This fall has been hot and sunny and in my many years of experience I don't think I've ever seen such a thing. Much to their surprise some beekeepers who were planning to treat with oxalic in November, found the equivalent of a frame and a half of brood on average in their hives. I personally witnessed bees returning to my hives laden with dry pollen substitute on the 3rd of December. Point of interest, we usually have a foot of snow with -10C at that time of year.



Scott Plante

Forty eight colonies in three sites remain positive

to Small Hive Beetle in the Buffer zone along the southern part of the province. Veterinary inspectors are scheduled to return to these sites in spring and destroy the colonies with compensation to the beekeepers.

The wholesale and retail honey markets remain strong, and there seems to be very little 2011 crop left for sale. As of December the prices for wild frozen blue berries was around 70 cents per pound to the producer with a breakeven of 50 cents per pound. We

should see an increase in the demand hives for the pollination of this crop in 2012.

Happy New Year

Contrairement au printemps froid que nous avons eu cette année, cet automne c'est avéré chaud et ensoleillé, et d'aussi loin que je puisse me souvenir je ne crois pas avoir vécu pareil climat. À leur grande surprise, la plupart des apiculteurs qui planifiaient traité leurs ruches à l'acide oxalique en novembre, ont retrouvé en moyenne un cadre et demi de couvain dans leurs ruches. J'ai personnellement observé des abeilles, qui au 3 décembre, retournaient à leur ruche avec du substitut de pollen sec que j'avais laissé à leur disposition. À cette période nous avons généralement 30 cm de neige au sol et des températures avoisinant les -10c.

Dans la zone tampon établie au sud de la province, 48 colonies s'étalent sur trois sites demeurent positives au petit coléoptère de la ruche. Au printemps 2012, ces colonies seront détruites et les apiculteurs seront justement dédommagés.

Pour ce qui est du miel vendu en gros ou au détail, la demande est toujours assez importante, bien qu'il ne semble pas rester de grandes réserves de miel de l'année 2011.

En ce qui concerne la pollinisation 2012,

► pg 7



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nous devrions voir une augmentation de la demande, puisque le prix du bleuet sauvage congelé a atteint 70 sous en décembre alors que son coût de production correspond à environ 50 sous la livre de bleuets.

Bonne année à tous

Ontario

If you ask an Ontario beekeeper how the bees



Tim Greer

looked going into winter you would be hard pressed to guess what the answer may

be. It ranges from great to lousy, with many in the middle wishing they were seeing bigger clusters going into winter. Some areas of the province report a lower than typical mite load on the bees this past season. It seems that in spite of the cool wet spring that we had in much of the province the heat and great summer weather provided an average to above average honey crop in much of the province.

The Ontario Beekeepers' Association held their AGM in Niagara Falls on November 17 & 18. Once again the AGM was well attended and the agenda was full with many presenters from both Canada and the U.S. Presenting this year were Dr. Frank Eischen, USDA-ARS Honey Bee Research Laboratory, Weslaco, TX and Gary Reuter,

University of Manitoba.

The situation with Small Hive Beetle in Ontario remains about the same since our last Hivelights report. The bee inspectors and OMAFRA are finishing up processing the last of the samples collected this fall. OMAFRA continues working with industry to develop a long term strategy for managing this pest. The Apiculture program at OMAFRA has to be commended for the work they have done this past year dealing specifically with SHB. For those provinces that do not have the inspection staff and a developed provincial apiculture program like Ontario I would encourage you to continue your efforts to create one. The Ontario beekeepers that have been dealing with SHB this past season have faced the additional challenges the beetles present along with the added time and effort they have given to aid inspections and research being carried out. Their efforts and personal expenses are being made to protect and preserve our industry.

The OBA Tech Transfer Program has been busy this year carrying on with their very successful workshops on "Introduction to beekeeping" and "Queen Rearing". They have been quite involved with the SHB quarantine area in Essex County and are working on best management practices for Ontario with \$100,000 in funding being provided by OMAFRA. The TTP has been successful in obtaining support for two additional projects. The Agricultural Adaption

Council has approved \$302,000 in funding for "BEST MANAGEMENT STRATEGIES FOR HONEY BEE BREEDING AND COLONY HEALTH". OMAFRA has also approved \$67,780 for "ADVISORY AND OUTREACH FOR APICULTURE IN ONTARIO". Although the majority of funding for the TTP comes through these types of programs their approval is conditional on industry support. The beekeepers of Ontario through the OBA continue to donate both time and money to the program.

The OBA has taken the opportunity to participate in many of the AGM's being held for various related commodities. Our hope is that through better communication and partnering with other areas of agriculture the real value of honeybees will be better understood.

Manitoba

Honey producers in Manitoba have seen an above average temperature for October/November/December. Outdoor wintering operations have seen good cleansing flights up to Mid November, while indoor winters started to



Bryan Ash

tuck hives into buildings.

Snowfall has been minimal. Outdoor hives have

little to no snow cover to help protect against extreme

cold weather and wind.

MBA's annual meeting saw resolutions in support for registrations of multiple emergency use products and to encourage Monsanto to expedite availability of Beeologics products used for virus control in the Honey Bee Industry. Temporary Foreign workers was also a hot topic for discussion as most beekeepers are becoming frustrated with the constant changes. Manitoba members would like to see HRSDC staff be more supportive, and streamline the application process. Members are also concerned about the 3 and 3 rule CIC dumped onto the Canadian Beekeepers.

Manitoba Beekeepers Association hosted the CHC Annual Convention on January 26th, 27th and 28th at Fort Garry Hotel, Winnipeg, MB

Manitoba honey producers were excited to host the CHC Bee Stock Risk Management Symposium / stakeholder meeting to discuss the future path of bee health and imports.

Saskatchewan

The final tally on the Saskatchewan honey crop saw an average in the 170 lb/colony range. On the low end we have reports of 130 lb/colony range and on the high end 360 lb/colony range. Honey prices softened slightly to \$1.45/lb - \$1.47/lb range in late October but rebounded and currently hover around the

\$1.55/lb range. There were numerous honey buyers at the SBA convention at the end of November leading to speculation white honey could become high in demand.

Fall weather was dry and provided optimal time for treatments, medication, feeding and wrapping throughout the province. This is the first year in many where beekeepers have wrapped and/or moved colonies into wintering facilities without dealing with wet and muddy conditions. With the exception of a cold snap in November, late fall and early winter have been mild with temperatures well above seasonal averages. In some areas, one had to look hard for a "white Christmas". Early January forecasts have a continuation of above seasonal weather with some regions forecast for temperatures as much as 10-15 degrees above normal.

Most beekeepers are reporting their bees going into winter look healthy and strong. Saskatchewan colony numbers continue to trend upwards with approximately 115,000 colonies (95,000 honey production and 20,000 nucs) being over wintered. Saskatchewan has vast untapped areas for growth of the beekeeping industry for bee production and honey production as well as the potential for return of hybrid canola seed production to Saskatchewan irrigation districts. While some areas are over

saturated with colonies, early estimates indicate Saskatchewan's untapped areas could support 75,000+ colonies.

The immediate concern in Saskatchewan has to deal with foreign worker processing of labour market opinion applications (LMO's). At the time of writing this, for many beekeepers it has been 8-13+ weeks since their

foreign workers left for the season and just as long and generally longer since they applied for LMO's from HRSDC, which are required to be approved for their foreign workers to get work visas each season. HRSDC changes in late October, hiring of new staff, inexperience and turnover have created havoc in the newly "streamlined" Vancouver office servicing western Canada, except Alberta, which was fortunate enough to retain their office and experienced knowledgeable staff. This new streamlined office has seen Saskatchewan processing times go from an average of roughly 1 week in 2009 to 10+ weeks last season and likely longer this season without immediate action to deal with the backlog. It is my understanding that Vancouver has a high turnover of staff within the department making one wonder the logic of such "streamlining". Without a truly streamlined process in Canada and at our foreign embassies, a resurgence of our industry will stall. The current process requires 2 weeks of advertising (as required by HRSDC), 10+



Corey Bacon

weeks for LMO processing and another 6-12+ weeks for work visa approval followed by 2 weeks for a transit visa and an appropriate time frame to book a flight to Canada for the worker/s. For those not doing the math SK employers are looking at up to 6 months to get our worker approved for return to Canada. It was just a few short years ago employers would start the process in November and have workers with work visa in hand by mid January. Regardless of location of these processing centres, business owners just want a reasonable and appropriate level and quality of service. It is unfortunate that streamlining can have such a negative impact on our businesses and livelihood. With more industry groups in SK (and western Canada) looking to this option to fill labour shortages and the continued growth of our resource and construction sectors, the process may not improve anytime soon. Industry will have to continue to work with government for solutions.

Alberta

Goodbye 2011 and hello 2012. I hope everyone had a good Christmas and New Year's. Before we know it spring will be upon us and bee work will commence once again. It has been an unusually warm winter thus far in Alberta. Outside of the odd day being -20 or worse, it's been pleasantly mild and the bees are looking good. No one is getting overly optimistic though as the majority of the losses that occurred last winter in Alberta happened

during March and April.

I've been hearing honey prices recently of \$1.55-1.60 in Canada and \$1.60-1.65 in the USA, so it's good to see the North American market is firming up a bit after a somewhat flat fall.

Unfortunately I've also been hearing of problems out of Manitoba and Saskatchewan in regards to beekeepers LMO's for this year's foreign workers. There seem to be a number of issues causing this (employers applying the same way they did in past years which is now incorrect, the Vancouver HRSDC office not following the new rules set out by the National HRSDC office, etc.). CHC is aware of these issues and is trying to work with HRSDC and employers on solutions to these problems. Please make sure you are using the industry specific job descriptions that CHC and HRSDC approved in 2011, and also make sure you are using them correctly. For example, Apiary Harvesters are only first time employees on your



Lee Townsend

farm. If you have returning workers, you must use either the Apiary Worker or Apiary Technician positions. CHC is also working on a manual for producers that hire foreign workers and we hope to have it available shortly. I realize this may not help with your current applications, but if you have any problems please feel free to send me an email and

I will try to assist you.

Finally, the Alberta Beekeepers will be holding their 10th annual "Integrated Pest Management" symposium in Edmonton on February 7th-8th. This has always been well attended by beekeepers from across western Canada, and this year looks to be no different.

British Columbia

Our "Bee a Survivor" Conference had to be one of the most outstanding in many years as not only did everyone have a great time and gain up-to-date information, but also a significant contribution was made to the B.C. Honey Producer's finances. The pre-conference trip to Dr. Lenard Foster's lab at the University of B.C. provided the opportunity to see the progress his team is making in developing techniques at the molecular level in expediting identification of hygienic behaviour of honey bees. Together with Dr. Steve Pernal (Agriculture Canada), Dr. Rob Currie (University of Manitoba), Eric Jan (UBC) and Dr. Kathy Baylis (University of Illinois), they received about \$ 5.8 million in funding from Genome Canada to demonstrate the value of this approach for disease control. The application of this approach in two breeding programs over the next two years was also outlined.

Another initiative in assessing new stock was the Duncan Assessment Yard

(DAY) project sponsored by the BC Breeders and BC Honey Producers with additional funding support from Investment Agriculture Foundation of B.C. Benchmark stock from earlier queen testing trials in the Interior were acquired for investigating adaptation to coastal environments. The DAY project also offered three workshops to queen producers featuring Dr. Steve Pernal, Dr. Robert Currie and Breeder Liz Huxter.

The upcoming Winnipeg Symposium on domestic stock production and opening the US border to packages will be an opportunity for Canadian beekeepers to thoroughly discuss the future direction of the industry. Beekeepers in B.C.

have repeatedly rejected resolutions to open the US border primarily because of the threat of importing diseases and pests, particularly from regions having limited credibility of disease and pest control.

Canadian beekeepers have managed without US packages for over 20 years. They have sustained colony numbers and met increased pollination needs. Most beekeepers in B.C. who plan to stay in business for the next 20 years ask "why increase the risk of disease and pests while becoming more dependent upon foreign stock?" Access to cheaper US packages is not the solution for self-sufficiency. Greater investment in ways to reduce overwintering



Gerry McKee

losses and gain a stronger position of independence will lead to having more competitive advantages for individuals as well as the industry as a whole.

CO-OP Honey Packer

Bee Maid Honey is proud to be Canada's leading packer of 100% pure Canadian honey with recent advertising and promotion campaigns geared towards the fact that Bee Maid Honey is owned by over 300 Western Canadian beekeepers. Phase II of the Hive to Home campaign is up and running! The first chapter is hosted by Rheal Lafreniere, Manitoba Provincial Apiarist and it is all about educating consumers about the wonderful honeybee. The second chapter will go live in February and will feature one of Bee Maid's members, Barrie Termeer, who kindly opened the doors of his operation to explain the joys and challenges of "Beekeeping".

Please take the time to go and visit the site <http://hivetohome.beemaid.com/>. There are lots of things to see and do: watch the videos, download the recipe book (most of the recipes were consumer submissions), print the activity book and spend some time with the little ones in your family.

Food safety continues to be a very important part of a beekeepers daily life. Today's consumers are demanding that the food they eat is the safest food

in the world. Bee Maid is encouraging Members of both Cooperatives to become registered with the Canadian Food Inspection Agency. We are in the process of planning a workshop that will be held in Alberta, Saskatchewan and Manitoba that will be specifically devoted to providing our Members with information on becoming registered with C.F.I.A.

In November 2011 Bernie Rousseau retired after over 42 years with Bee Maid Honey and Alberta Honey Producers. Bernie retired as Bee Maid's Regional Sales Manager and worked in the Spruce Grove, Alberta office. Bernie first started in the Bee Supply department at Alberta Honey in 1969 and even kept bees for a few years. Bernie is the consummate salesman and from Bee Supplies moved into honey sales for Bee Maid. Over the years Bernie has been successful in introducing Bee Maid honey to many new markets.

Bernie was the one responsible for introducing Bee Maid Honey to the Chinese market and more recently to Saudi Arabia, Kuwait and the United Arab Emirates. Bernie will not be able to completely have a life of leisure in his retirement as he has agreed to be Bee Maid's delegate to the Canadian Honey Council this coming year. We are sure that Bernie will be an excellent delegate to CHC and will be able to share his expertise and experience with the CHC Board.



Gordon Marks



Human Resources and Skills Development Canada

Temporary Foreign Worker Program

Commodity: Apiary Products

Province	Current Wage	Occupation	Expected Wage on January, 1 2012 (\$/hr)**	Expected Minimum Wage Increases in 2012
AB	\$12.94	Apiary Technician- unsupervised	\$13.33	\$0.00
	\$11.92	Apiary Worker (with one or more years of apiary work experience) - supervised	\$12.28	\$0.00
	\$10.87	Apiary Harvester (with no apiary work experience) - supervised	\$11.20	\$0.00
BC	\$11.24	Apiary Technician- unsupervised	\$13.31	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$12.70	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$11.58	\$0.00
MB	\$11.91	Apiary Technician- unsupervised	\$12.27	\$0.00
	\$10.00	Apiary Worker (with one or more years of apiary work experience) - supervised	\$11.04	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$10.07	\$0.00
NB	\$9.50	Apiary Technician- unsupervised	\$12.60	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$10.73	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$9.79	\$10.00 on April 1, 2012

NFLD	\$10.00	Apiary Technician- unsupervised	\$13.30	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$11.29	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$10.30	\$0.00
NS	\$10.00	Apiary Technician- unsupervised	\$12.36	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$11.29	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$10.30	\$0.00
ON	\$10.25	Apiary Technician- unsupervised	\$14.39	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$11.24	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$10.25	\$0.00
PEI	\$9.60	Apiary Technician- unsupervised	\$14.94	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$10.84	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$9.89	\$10.00 on April 1, 2012
QUE	\$9.65	Apiary Technician- unsupervised	\$12.36	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$10.66	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$9.72	\$0.00
SASK	\$9.78	Apiary Technician- unsupervised	\$13.33	\$0.00
		Apiary Worker (with one or more years of apiary work experience) - supervised	\$11.04	\$0.00
		Apiary Harvester (with no apiary work experience) - supervised	\$10.07	\$0.00

**Wages include provisions of accommodations provided by employers.



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Honey Filtration

Submitted by the editor with permission NHB

Why is most honey filtered?

According to USDA Grading Standards for extracted honey, filtered honey is honey that has been filtered to the extent that all or most of the fine particles, pollen grains, air bubbles, or other materials normally found in suspension, have been removed.

Honey that is filtered by packers is filtered for various reasons:

Many consumers prefer honey that is liquid and stays liquid for a long time.

All honey crystallizes eventually. Suspended particles and fine air bubbles in honey contribute to faster crystallization. Filtering helps delay crystallization, helping the honey to remain liquid for a much longer period than unfiltered honey.

Many consumers prefer honey to be clear and brilliantly transparent.

The presence of fine, suspended material (pollen grains, wax, etc.) and air bubbles results in a cloudy appearance that can detract from the appearance. Filtering is done to give a clear brilliant product desired by consumers. For the filtered style of honey, USDA Grading Standards for Extracted Honey give higher grades for honey that has good clarity.

Honey is filtered to remove extraneous solids that remain after the initial raw processing by the beekeeper.

Various filtration methods are used by the food industry throughout the world. Ultrafiltration, a specific kind of filtration used in the food industry, should not be confused with other filtration methods generally used in the honey industry. When applied to honey, ultrafiltration involves adding water to honey and

filtering it under high pressure at the molecular level, then removing the water. It is a much more involved and expensive process which results in a colorless sweetener product that is derived from honey but is not considered "honey" in the U.S.

Honey that is filtered through more traditional methods is still "honey," even if pollen has been removed along with other fine particles.

November 9, 2011

The choices consumers make today about most products, including honey, are extremely personal. In regards to honey, consumers may have varying opinions about their choice of honey type, flavor and origin. To enable a truly personal choice, there are many different kinds of honey available in the U.S. market. Some consumers prefer honey in the comb or liquid honey that is unprocessed or raw, while some prefer honey that is crystallized or creamed. Others will seek out honey that is organically produced and certified. However, the majority of honey sold at retail in the U.S. every year is the clear, golden liquid honey that has been strained or filtered.

There are a number of filtration processes that remove fine particles,

including pollen, from honey - but the end result is still pure honey. Pollen particles may or may not be present in the honey an individual chooses, but the product is still honey.

Unfortunately, inaccuracies in a recent news story have fueled a considerable amount of confusion about the term "ultrafiltered honey." Ultrafiltration is a specific process used in the food industry. When applied to honey, ultrafiltration results in a sweetener product that is not honey because of the significant changes it causes in the original honey. It is an expensive process that requires the addition of water to the honey, high pressure filtration at the molecular level, and then removal of the water. While it is known to have been used with honey overseas to create a sweetener product for beverages, ultrafiltration is not generally used in the U.S. Other filtration methods have been used for many years in the U.S. honey industry. These filtration methods are designed to remove fine particles such as bits of wax, bee parts, air bubbles and pollen that hasten crystallization of the honey and affect clarity. Recent articles have also incorrectly stated that the FDA does not consider honey without pollen to be honey - that is simply not true.

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Kiwifruit pollination in New Zealand

Prepared by Norm Knudsen of Nipawin, Sask



Psa warning sign at orchard entrance

Photo: Norm Knudsen

observed some orchards that are already completely killed by Psa.

Nobody really knows yet how devastating Psa will be and many fear it could decimate the industry. The infrastructure built around the industry is huge, with large packhouses located all throughout the producing area. In the Te Puke area alone there are 25,000 jobs related to the Kiwifruit industry.

There is presently no known cure for Psa. Several treatments are being tested, but none are yet proven. Two new varieties of Kiwi have shown some tolerance to Psa, and some orchards are already being converted to these varieties.

Due to the risk of spreading Psa, travel between orchards is restricted. When we did our audit, we were required to disinfect our footwear

▶ pg 16



In November 2011, my wife Marilyn and I accepted an offer to go to New Zealand and audit bee hives for the Kiwifruit Pollinators Association (KPA). We had previously worked for a beekeeper in New Zealand, so we were somewhat familiar with the industry.

The Kiwifruit industry

Kiwifruit (or Kiwi) was first introduced from China in 1904, it was

about 5 ha in size. The orchards are protected from the wind by 10 meter high well trimmed hedges or by netting. The fruit vines are supported to make a canopy about 2 meters above ground, so that the trees can be managed and fruit picked from the ground.



Beehives in Kiwifruit orchard. Photo: Norm Knudsen

called the Chinese gooseberry at that time. New varieties were developed and the growing conditions in New Zealand proved to be ideal. The name was changed to Kiwifruit (or Kiwi) for market appeal.

Today there are about 13,000 ha of Kiwifruit in New Zealand and New Zealand is one of the biggest producers in the world. The two most popular varieties are the green and gold. The gold kiwi is a new variety with a sweeter yellow flesh that is growing in popularity in the export market.

The Kiwifruit orchards are all shapes and sizes to fit the terrain and average

The new Kiwifruit disease - Psa

In 2010, a bacterial disease known as Psa was discovered in New Zealand. Psa is spreading quickly and has already been confirmed in about 900 out of the total of 2500 orchards. The disease starts with some dead leaves and branches and eventually kills the tree. The Gold variety is more susceptible and we



(Gold) Kiwifruit developing after pollination. Photo: Norm Knudsen



Preparing beehives to move in to orchard. Photo: Norm Knudsen

and vehicle tires when entering and leaving orchards. We were able to park outside the orchards and walk in, so that vehicle disinfection wasn't necessary.

Our Audit

Our job was to audit the beehives as they were moved in to the kiwifruit orchards to ensure that they met the minimum standards set by the industry.

- 7 frames with 60% brood (or 4.2 frames with 100% brood)
- 12 frames with bees
- Laying queen (open brood to stimulate pollen collection).
- Evaluate about 6% of each beekeepers hives and no more than 20% of the hives in an orchard.

Driving on the left side of the road and finding the orchards was a challenge. We purchased a GPS and along with maps we were able to locate the orchards and beehives as required. We audited hives in 59 orchards out of 241 orchards being pollinated by approx 9000 beehives supplied by KPA members. Apparently there are about 80,000 beehives in total that are used to pollinate the Kiwi orchards. Some of the bigger orchards hire their own auditors, but most hives are not audited.

Kiwifruit pollination is very hard on beehives. The Kiwifruit does not



One of "Seeka's" many packhouses in Kiwifruit orchard areas. Photo: Norm Knudsen

produce excess nectar and has low quality pollen. To hold the bees in the orchards, they are only moved in the orchards right when they are needed and are fed sugar syrup during the pollination. The bees are stressed by the moving, drifting and poor nutrition, and are often in weakened condition by the time the pollination is done.

In our audit we found about 2% of the beehives that didn't meet the standards. The other hives were well above standard and easily compensated for the weaker hives. To us, it just seems good business for both the orchard owner and the beekeeper to have the hives independently assessed for quality. All of the beehives appeared healthy and we saw only one varroa mite.

Our audit was a fun job as we got to meet many orchard owners and beekeepers. We got to look in to a lot of hives and saw a real variety of management techniques. The beekeepers readily shared information and ideas that we could use in our own bee operation.

New Zealand honey industry

After the audit, we were able to stay on for a few days and did some traveling. The Kiwis are an innovative

lot and are good promoters of all agriculture products. In most major centers there are large honey product stores that are set up for tours with live bee displays, videos, and a wide variety of bee hive products for sale.

New Zealand has promoted the Manuka honey on its health benefits



Our landlords - Kiwifruit orchard owners and beekeepers Steve and Lorraine Weenink. Photo: Norm Knudsen

and manuka honey is a large part of many beekeepers income. New Zealanders are the biggest consumers of honey in the world, per capita.

We toured the Comvita visitor center in Paengaroa. Comvita is a major NZ company that specializes in Manuka honey. Comvita has also developed many types of health and cosmetic products using honey and other



The Huka Honey store and visitor center at Taupo. Photo: Norm Knudsen



James Ward and his "Flash" truck. Photo: Norm Knudsen

beehive products and have world wide markets for their products.

Many NZ beekeepers spread out their income by producing honey, producing specialty honey, pollination, selling package bees, raising queens and collecting other bee products such as propolis, pollen and beeswax.

Package bees:

We met some of the New Zealand package producers, that ship packaged bees and queens to Canada. Last year 31,500 packages of bees were shipped in to Canada with many going to the western provinces and demand is high again for package bees for 2012.

Some Canadian beekeepers would like

to see the queens that are exported to Canada, being raised from stock selected for the winter conditions in Western Canada. We also realize the difficulty in bringing new stock in to New Zealand.

New Zealand beekeeping trivia:

- There are 3250 beekeepers in New Zealand (4800 in the year 2000)
- There are 388,000 beehives in New Zealand (299,000 in 2000)
- Approx 80,000 beehives are used in Kiwi pollination - some are used twice.
- Manuka honey export is a \$100,000,000 per year industry, and growing.
- New Zealand does not allow any imported honey or honeybees.
- EFB, tracheal mites and small hive beetle have not yet been found in New Zealand.
- AFB is non chemically controlled - infected colonies are burned.
- The average honey consumption in NZ is 1.95 kg per year per person.



Bee Imports to Canada

10-Year Trends

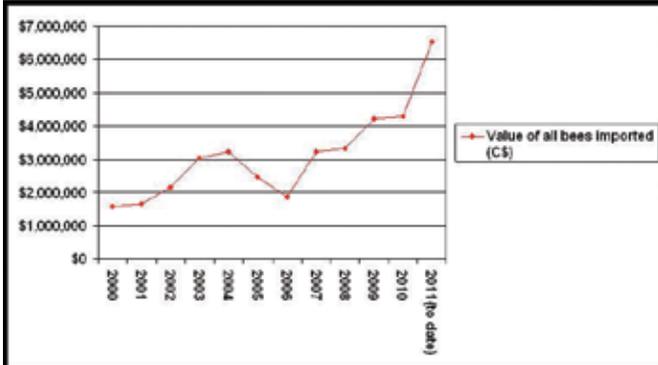
Stephen Page, Agriculture and Agri-Food Canada, Horticulture Section

Primary Trends

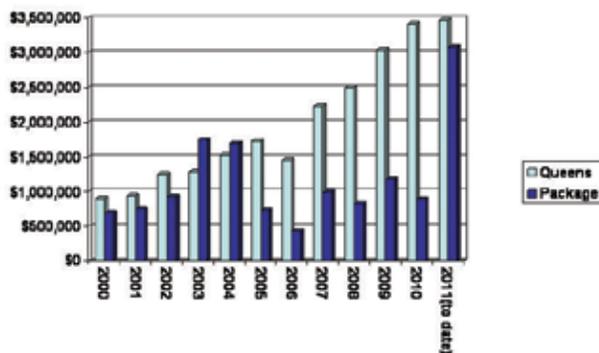
- Queen bee imports have increased in quantity and value over the past decade
- Package bee shipments were more variable
- The cost per queen is rising faster than inflation

Total Value of Bee Imports to Canada

Canada, 2000 – 2011, Source Stats Canada Trade Data

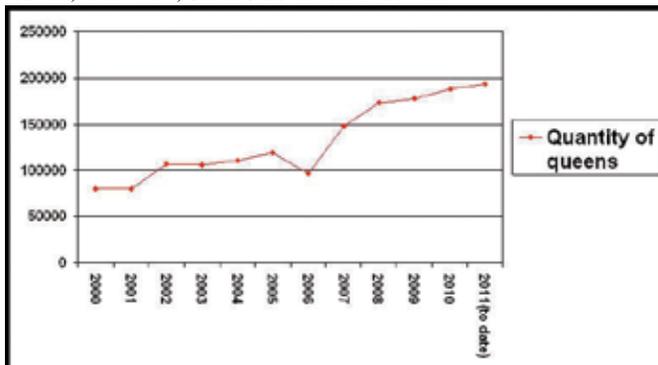


Value of Queens and Package Bees Imported to Canada



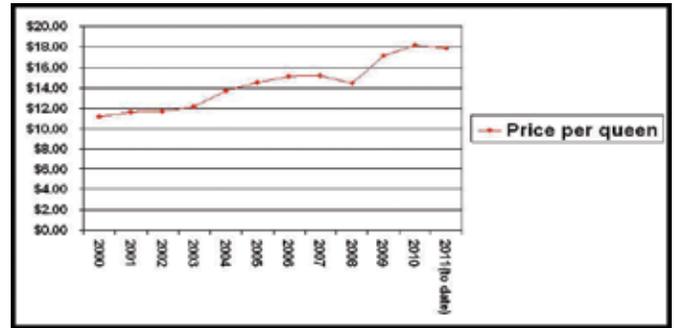
Queen Imports – Quantity

Canada, 2000 – 2011, Source Stats Canada Trade Data



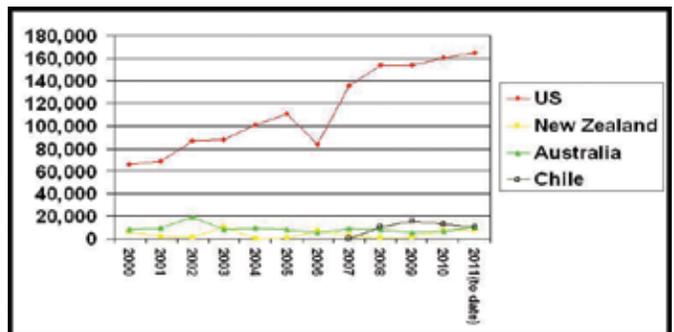
Queen Imports – Price per queen

Canada, 2000 – 2011, Source Stats Canada Trade Data



Queen Import Quantities by Source Country

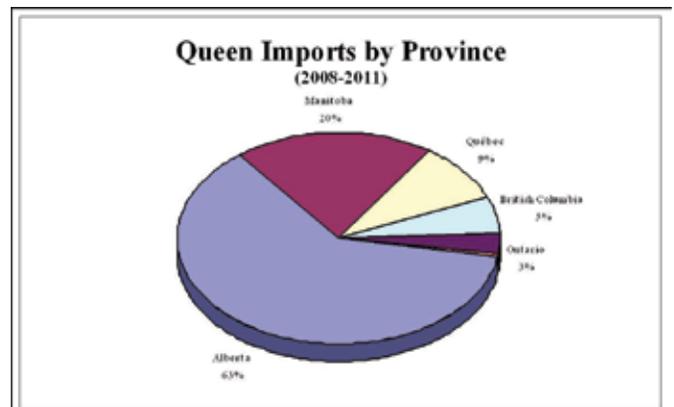
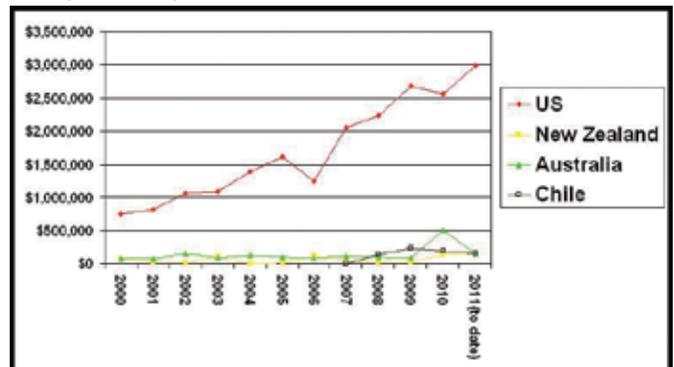
Canada, 2000 – 2011, Source Stats Canada Trade Data



Exceptions not shown, queens were imported from: Japan (2007 - \$1,746), US Outlying Islands (2009 - \$20,078, 2010 - \$2,789), and Denmark (2010 - \$11,506, 2011 - \$3,946)

Queen Import Value by Source Country

Canada, 2000 – 2011, Source Stats Canada Trade Data



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Bee Import Permits (CFIA)

- Volume trends are difficult to discern as:
 - permits are for multiple shipments (generally)
 - the actual number of bees imported can be less than on the import permit but it cannot be more.

Bee Import Permits

- Import permits issued in 2007
 - Queens - 49, 70% of permits were for bees from continental US or Hawaii
 - Packages - 3 (Australia and NZ)
- Import permits issued in 2008
 - Queens - 53, 72% were for bees from continental US or Hawaii
 - Packages - 4 (all NZ)
- Import permits issued in 2009
 - Queens - 59, 70% were for bees from continental US or Hawaii
 - Packages - 11, (Aust, NZ, Chile in descending order)
- Import permits issued in 2010
 - Queens - 57, 73% were for bees from continental US or Hawaii
 - Packages - 6, (NZ, Aust, Chile in descending order)
- Import permits issued in 2011
 - Queens - 64, 72% were for bees from continental US or Hawaii
 - Packages - 6 (NZ, Aust, Chile in descending order)

Source: Dr. Amy Snow, CFIA Bee Import expert

CAPA Statement on Honey Bees Losses in Canada (2011)

Compiled by: CAPA National Survey Committee, Stephen Pernal, Chair

In 2011, a core set of harmonized winter loss survey questions was devised by CAPA which was used as a basis for each province to implement its own wintering survey. This approach facilitated direct comparison of key winter loss data across regions. Based on results from eight Canadian provinces, 29.3% of the colonies that were wintered during 2010-11 died or were deemed too weak to be commercially productive. This is almost 2x the long-term winter loss rate for Canada and a substantial increase over the loss rate for 2009-10 (21.0%).

Province	Number of Colonies Wintered	Number of Dead or Unproductive Colonies ¹	Wintering Losses (% of Provincial Total)
British Columbia	42,000	11,760	28.0
Alberta	265,000	71,550	27.0
Saskatchewan	101,000	22,220	22.0
Manitoba	80,000	27,200	34.0
Ontario	83,150	35,755	43.0
Quebec	40,000	11,200	28.0
New Brunswick	10,049	3,708	36.9
Nova Scotia	16,500	3,696	22.4
PEI	4,291	990	23.1
CANADA	641,990	188,079	29.3% (of National Total)

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WORLD NEWS

Genetics and behavioural evolution required to save honey bee industry

Aaron Fernandes, submitted by the editor with permission by Science Network Western Australia

“We have experts in molecular biology working with DNA and genetics and we have experts in behavioural evolutionary patterns who monitor and conduct experiments in the field.” —Dr Baer. Flickr: Terence Keams

A team of WA researchers are linking evolutionary and molecular biology to improve their knowledge of the immune systems of honey bees before a wave of threats jeopardise the state’s apiary industry.

Lead researcher at UWA’s Collaborative Initiative for Bee Research (CIBER), Dr Boris Baer recently received a Future Fellowship from the Australian Research Council. This comes at a time when WA beekeepers are struggling to maintain a viable industry amid unpredictable weather patterns and emerging parasites.

Dr Baer says CIBER is heavily investing its research in trying to understand the bees’ immune system to find an answer for industry concerns.

“Beekeepers have had some very bad years and the WA climate is a big problem with last year being too dry and this year too wet, so the trees are not flowering. There is no honey flow and keepers have to keep the bees alive by feeding them, so there is a loss of income,” Dr Baer says.

“The other threat in WA is the small hive beetle (*Aethina tumida*) that

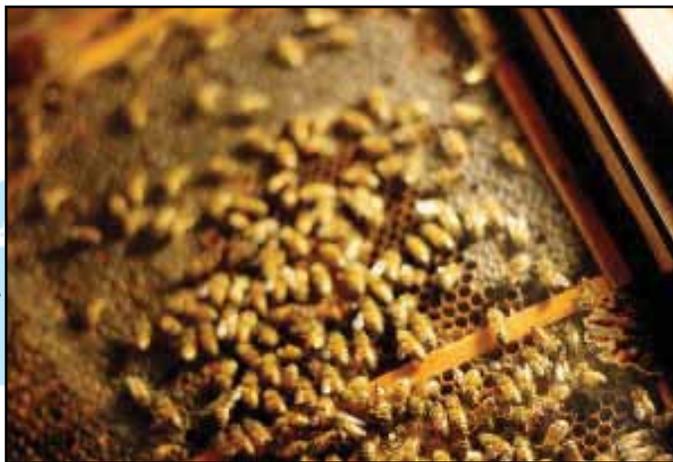
destroys bee colonies. The beetle entered Australia in 2000 and has now reached WA’s far north. We expect it to arrive in the south west over the coming years.”

CIBER researchers are trying innovative approaches to look for an answer to protect against these threats.

“We have experts in molecular biology working with DNA and genetics and we have experts in behavioural evolutionary patterns who monitor and conduct experiments in the field,” Dr Baer says.

“We try to combine the two fields to understand in detail what molecules are responsible for the [the bee’s] immune system and how they respond when presented to parasites or some other stress factor, with the aim of breeding more tolerant bees or at least be better prepared for what will eventually arrive here.”

Dr Baer says Australia also faces the arrival of *Varroa destructor* — a



“We have experts in molecular biology working with DNA and genetics and we have experts in behavioural evolutionary patterns who monitor and conduct experiments in the field.” —Dr Baer. Flickr: Terence Keams

parasitic mite that has spread globally and has devastating effects on the honey bee. Recent modeling suggests the mite will arrive in Australia within 5–10 years.

Beekeepers typically lose 90–95% of their stock after contracting the parasite, which is associated with Colony Collapse Disorder — a relatively new term given to bees that leave the hive and do not return resulting in mass extinctions.

Dr Baer says the Future Fellowship will allow him to focus his research on solving these issues as well as develop a national network for bee research.

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Mite Away Quick Strips™ (MAQS)

David VanderDussen, CEO NOD Apiary Products

After being available in some other markets for over 2 years Mite Away Quick Strips™ (MAQS) has now received registration for use in Canada!

MAQS is a 7-day, single application mite control product registered for use against varroa and tracheal mites. There are two critical application times. MAQS can be used during the honey flow but since it is best to have healthy colony populations going into the honey flow, spring treatment 4 to 6 weeks before the flow is recommended. A honey super can be on. To allow the bees time to produce a healthy winter cluster, MAQS should be applied at the end of the honey flow, usually while the last super is still on. For most parts of Canada this will be late August or early September.

The active ingredient is formic acid and its formates, contained in a saccharide gel matrix, wrapped in a specially formulated wicking Ecopaper. Formic acid vapour is released over a 3 to 4 day period at levels sufficient to kill varroa mites on the bees and the mites attempting reproduction under the cap. The male varroa are particularly susceptible, so young

surviving females are likely to be infertile. Overall efficacy is expected to be in the 95% range over time, when compared to other products that just treat varroa on the adult bees (phoretic varroa).

MAQS technology allows for an expansion of the temperature range. Daytime highs, for the first three days, can be in the 10 to 33°C (50 to 92°F) range, which will allow for increased flexibility. Beekeepers need to be certain that the temperatures will be below the maximum temperature on the critical first day, so a maximum high of 85°F is recommended for the day of application.

Beekeepers can expect a brief hic-up in brood rearing in some colonies, which is quickly made up by the queen laying enthusiastically. Treatment may also trigger queen supersedure activity, so some colonies may replace their queens or may end up with mother/daughters both present. This is also fairly common if the bees had already started queen cells before treatment.

The bees will expand the cluster when treated so a bee-beard may form on the hive during the first stage of

treatment. This is normal behavior, which varies widely between colonies, even in the same yard. It is more likely to occur at higher temperatures. The bees usually go back in a few hours later, or if the temperatures cool. Having a super on may reduce the bearding behavior.

The colony should not be disturbed during the 7-day treatment period. The hives should have good food reserves at time of treatment, ready to be converted into brood. Feed reserves should be monitored after treatment, and supplemented if necessary.

MAQS has been shown to suppress nosema spore levels in the one trial where levels were monitored. Further work in this area will be undertaken in near future.

The mites are not expected to develop resistance to formic acid, so once the transition is made to consistently using MAQS the beekeepers of Canada can relax, knowing that varroa control will be sustainable, with no risk of chemical residues accumulating in wax or honey.

For more information call toll free 866-483-2929 or check MAQS out at www.miteaway.com



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Message from CFIA President

George Da Pont

The Canadian Food Inspection Agency (CFIA) has begun a systematic review of its regulatory frameworks, to improve consistency and reduce complexity in regulation.

The CFIA will be consulting on its multi-year plan for regulatory modernization. It will do this internally with staff and externally with the industry it regulates.

A discussion paper outlining the CFIA's proposed approach for this review is ready for comment. On December 22, 2011, this discussion paper will be posted on the CFIA website (www.inspection.gc.ca) and the Consulting with Canadians (<http://www.consultingcanadians.gc.ca>)

(December 23rd) website for a 60-day period.

As outlined in the document, the CFIA will develop an agenda for regulatory modernization that meets the needs of stakeholders and is strategic, balanced and achievable.

The CFIA encourages you to actively participate in this regulatory review process. We want your perspective. As you go through the discussion document, please think about the following questions.

Consider the key questions we have used in our scan of the regulatory frameworks. Are there additional questions that should influence prioritization?

Are the proposed guiding principles relevant and appropriate to you as a stakeholder?

Are you satisfied with the priorities?

How can the industry and government work together to approach the issues?

What would be the most effective way to continue to engage you in future regulatory review?

What is the nature of the issues and gaps in the CFIA's regulatory framework, and how would you characterize the level of consensus in your industry regarding this? What type of change is necessary to achieve a modern framework?

Please send your input to: CFIAPROGRAMS_ACIAPROGRAMMES@inspection.gc.ca by February 21, 2012.

For more information on this initiative, please refer to the attached questions and answers.

L'Agence canadienne d'inspection des aliments (ACIA) a entrepris l'examen systématique de ses cadres réglementaires dans le but d'harmoniser et de simplifier la réglementation.

Pour ce qui est de son plan pluriannuel de modernisation de la réglementation, l'Agence consultera tant ses employés que les parties réglementées.

Le document de consultation donnant l'approche que propose l'Agence est prêt pour commentaire. Ce document de discussion sera affiché le 22 décembre 2011 sur le site Web de l'Agence (www.inspection.gc.ca) et sur le site Consultations auprès des Canadiennes et des Canadiens (<http://www.consultingcanadians.gc.ca>) (le 23 décembre 2011), pour une période de soixante jours.

Comme il est dit dans le document (insérer le lien ici), l'ACIA établira un plan de modernisation de la réglementation stratégique, équilibré et concret, qui sera en ligne avec les besoins des intervenants.

L'Agence vous encourage à prendre part activement au processus d'examen de la réglementation. Nous tenons à connaître vos vues. En prenant connaissance du document de discussion, vous devez tenter de répondre aux questions qui suivent.

Étudiez les questions clés dont nous avons tenu compte lors de notre analyse des cadres de réglementation. Y a-t-il d'autres questions qui devraient influencer l'établissement des priorités?

Les principes directeurs proposés sont-ils pertinents et vous conviennent-ils en tant qu'intervenant?

Êtes-vous satisfait des priorités?

Comment l'industrie et le gouvernement peuvent-ils collaborer pour aborder ces questions?

Quel serait le moyen le plus efficace de vous amener à continuer à participer à l'examen de la réglementation?

Quelle est la nature des préoccupations et des lacunes en ce qui se rapporte au cadre réglementaire de l'ACIA? Quel est le niveau de consensus dans le secteur à cet égard? Quels types de changements faut-il pour obtenir une réelle modernisation du cadre?

Veuillez nous envoyer vos suggestions et commentaires par courriel à l'adresse CFIAPROGRAMS_ACIAPROGRAMMES@inspection.gc.ca au plus tard le 21 février 2012.

Pour obtenir plus d'information concernant cette initiative, veuillez vous référer au document Questions et réponses ci-joint.

Wink Howland – the “Honey Man” Remembered

by Heather Clay, past CEO Canadian Honey Council, Vernon, BC

Thomas Edward Winklin Howland, whom we always knew as “Wink”, died at the age of 69, on October 25, 2011 in Yorkton, Saskatchewan, after a battle with pancreatic cancer.

He leaves a legacy of a loving family, a successful business and a wealth of friends who through him came to know the meaning of true selflessness. Thousands of beekeepers benefited from his work at the provincial and national level and the Canadian Honey Council organization moved ahead under his guidance. He taught that success comes from hard work; he showed optimism in the face of great odds and became an inspirational mentor for many beekeepers.

Trained in education, Wink taught for several years before entering the business world. He was successful and took an early retirement in the 1970's allowing him, his wife Celeste and infant Marnie to travel the world, visiting Hawaii, Fiji, New Zealand and Australia. But he hated inactivity, so they abandoned their trip before the year was over and headed back to Saskatchewan. Fortunately for the beekeeping world, Wink had learned apiculture from his father and saw an opportunity for raising queens and marketing honey. His amiable personality and excellent sales ability made him a perfect candidate for the demanding role of marketing all his honey through farmers markets. Travelling from Yorkton to Regina for weekly markets, he became known as the “Honey Man” and put thousands of kilometres on his trusty Toyota Camry. More recently he ventured into the marketing of honey in drums to astute Japanese buyers who prize the high quality of liquid white prairie honey. His daughter Sasha and her husband Dan now carry on the Howland's Honey tradition of producing fine honey, quality queens and nucs.

Perhaps being the first born in his family gave him early training in leadership. Wink was a keen supporter of the Canadian Honey Council and took on the position of president, twice. The first was in 1995 when the organization was at a low point in finances and membership. He had the foresight to recognize that CHC had to evolve and brought me on as National Coordinator in 1998 to help set a new course, rebuild the organization and establish a better way of doing business. After a break of three years he accepted the president's position a second time and was part of the team that helped develop new protocols for the importation of quality queens from the USA. It was no wonder that he received the CHC's highest honour, the Fred Rathje award, in 2004 for his outstanding contribution to the national industry.



Wink was a good public speaker and had a clever wit. He did not tolerate fools, frauds or incompetent bureaucrats lightly and they were often the butt of his wry humour. We loved it when he confronted an eastern packer who had blatantly provided dark coloured honey, labelled “Canada No. 1 White”, for the coffee break at a federal honey advisory meeting in Ottawa. Wink noted that this was not the colour of western clover honey and asked if this was a different kind of clover – perhaps a new “eastern” or even “far eastern” variety?

Always known as a super achiever he could be counted on to complete a task or report long before any deadline. He survived on very little sleep and used his pre-dawn hours to plan and work on the many tasks for which he had generously volunteered. He kept the accounts for several community organizations and for years he maintained the treasurer's role on the Canadian Bee Research Fund. All this, as well as running his business, managing his home and caring for his wife who had become increasingly house bound. His outstanding and tireless commitment to helping others is a tribute to his rich, productive life.

Even though his prognosis for beating the disease was poor, he remained upbeat and optimistic, fully expecting to outperform the doctor's predictions. And he did survive, twice as long as expected.

It was an honour to have worked with this extraordinary man and to count him as a friend.

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The Cooperativa Criadores de Abejas Reinas de Chile in partnership with Oaknook Honey Products Ltd and Kemnay Apiaries Ltd has experienced a successful 2011 season supplying queens for the Canadian market. This partnership is proud to provide Canadian Beekeepers with mated, Carniolan queens, harvested directly from mating nucs. Our partnership would like to extend a thank you to all who purchased queens for the 2011 honey season!



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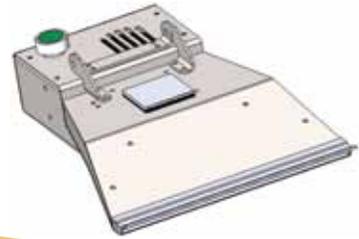
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My name is Rodrigo Mendez, I am a commercial beekeeper in Spirit River, Alberta, I have been battling this pest for many years, lately with the resistance from the mites to the easy to use strips, I have been forced to double up on treatments.

In the past I tried strips plus formic in the fall and formic again in the spring and it worked well, but the problem was finding the right weather window for the applications in the spring and the fall.

Last year I decided to try oxalic acid because of it's wide range of temperatures in what it will work from 5 to 25 c.

I quickly run into the application problem and start working on an applicator that would be easy to use quick and effective.

After drawing an initial prototype we got into the building phase where we found many options and variables. This led us to the University of Western Ontario and we were able to persuade them that this project was worthwile because of the impact it could have in the bee industry and throughout the food industry through benefits to pollinators and the crops bees pollinate.

RJS Manufacturing will be in charge of production, retailing parts and support for this applicator.

We would like to invite you, to join us in the last phase of testing and manufacturing through our web site www.rjsmanufacturing.com, where you will be able to ask questions, give suggestions and find drawings, updated information on development and pricing and availability of the applicator.

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For sale: Queen cells ready for pick-up June and July. Mated queens shipped June through September. Highlands Honey, 6-Z2 Old Kingston Rd., Portland, ON, K0G 1V0. Phone: 613-272-2091

For sale: 1300 hives of bees available after blueberry pollination in New Brunswick. Double brood chamber hives, migratory lids and pallets. 3 semi loads, available approx. by June 23. Free delivery to New Brunswick, Quebec and Ontario. Call Chris 519-617-5503.

Help Wanted

Help Wanted - Wendell Honey

12 full-time seasonal positions available at Wendell Honey in 2012

- Apiarist Worker to
 - * help with Spring check manipulation.
 - * help with pest and disease control.
 - * assemble equipment
 - * help super hives
 - * help harvest honey
 - * help maintain beeyards
 - * help with Fall feeding, assessment and treatments.
 - * help to wrap bees.
 - With supervision by an experienced apiarist
 - Positions available from April 16 to mid-October 2012.
 - Work is physically demanding. Experience one or more years (seasons).
 - Wages \$11.25 to \$12.50 per hour.
- email Isabel Wendell at isy@wendell.ca or fax 204 564 2568

12 full-time seasonal positions available at Wendell Honey in 2012

- Apiary technician to
- * help with Spring check, hive assessment and manipulation.
- * help with pest and disease control.
- * help with grafting, making nucs, and raising Queens.
- * assemble equipment
- * help super hives
- * help harvest honey
- * help keep field production records
- * help maintain beeyards
- * help with Fall feeding, assessment and treatments.

- * help to wrap bees.
 - Positions available from April 16 to mid-October 2012
 - Some experience working with bees
 - Work is physically demanding.
 - Wages \$12.50-\$17.00 per hour depending on experience with Wendell Honey
- email Isabel Wendell at isy@wendell.ca or fax 204 564 2568

Help Wanted - Apiary Harvest Labourers: Kinistino (SK)

Seasonal Apiary Harvest Labourers wanted in Saskatchewan for work in a commercial honey production and bee rearing operation. Three full time seasonal positions for up to 7 months (April through October) for the 2012 season. Two full time seasonal positions for up to 3 months (July - September) for the 2012 season.

Apiary Harvest Labourers perform tasks such as:

- supering hives
- harvesting honey
- cleaning honey extraction and storage equipment
- honey extracting
- barrel moving, preparation, filling and storage
- manufacture, assemble and maintain hive equipment
- bee yard maintenance

Experience, valid drivers license and English speaking skills would be an asset but not required. Availability to work evenings, holidays and weekends is a must. Starting wages at \$ 10.07/hr with subsidized housing options and potential for bonuses based on performance, attitude and character. Long hours, week-end and evening/night work may be required. Work is physically demanding and fast paced. E-mail resume to B's Bee Ranch Inc. at beeranch@sasktel.net

Help Wanted - Experienced beekeeper Vanderhoof, BC

Experienced beekeeper wanted for the 2012 season, honey-hive management, including pollen traps, assist queen rearing, pollination. \$14/hr, room available. Contact Jon Aebischer in Vanderhoof, BC by email. juanaebis@sweetnechakohoney.ca

Help Wanted- 2 Experienced Beekeepers: Honey Bee Centre Surrey (BC)

HONEYBEE CENTRE requires two (2) beekeepers for the 2012 season February 15 - October 15, 2012. Our company is situated in the centre of the Vancouver metropolis. Wages are \$13.00 for workers with three or more years experience. A driver's license is an asset. On-site accommodations are available at \$300 per month. Contact John Gibeau. gibeau@honeybeecentre.com. Visit our website at www.honeybeecentre.com.

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To manage overall operation of an Apiary, establish marketing programs, maintain farm machinery, equipment and buildings, raise and breed honey bees.

This job is fast paced, working under pressure, tight deadlines, handling heavy loads and is physically demanding. Must be able to be flexible with lots of bending, crouching, kneeling and walking required.

We are looking for someone who can build up our honey production and would have experience with the Tracheal and Varoa Mites.

Email: l.northlandhoney@gmail.com

or send resume to: Box 1545, Vanderhoof, BC, V0J 3A0

Help Wanted: Fort Macleod, Alberta

Looking for a beekeeper to manage bee operation of 2500-3000 hives. Must be knowledgeable in all aspects of beekeeping and managing a work crew. Start date is negotiable. Can start as early as October. Bee season starts March 1. Serious, knowledgeable applicants only. Please email or fax resumes to Jerry Poelman. Email to: jpoelman@explornet.com Fax: 403-687-2410

Help Wanted- Apiary Technician Mission (Farm Supervisor) (BC)

Golden Ears Apiaries Inc. is looking for 1 Apiary Technician (Farm Supervisor) NOC8253 on a permanent fulltime basis starting Feb. 14th. 2012 with an hourly pay rate of \$13.96 - \$16.00. As a skilled livestock apiary position, duties will include: - Supervise employees - Maintain field and production records and interact with external farm personnel - Spring and fall bee colony management - Handle, care, feed colonies - Monitor, report and treat colony pest and diseases - Produce queen cells, nucleus colonies, queens and replacement beehive - Collect and process honey - Move colonies - Operate/maintain large trucks and forklifts and other apiary related equipment - Maintain bee yards Applicants must have 5 seasons of beekeeping experience in a large commercial apiary operation. Apply with resume to Jean Marc at: Golden Ears Apiaries Inc. 33197 Ito Place, Mission, B.C. V2V-3W7 jeanmarcledorze@gmail.com

Help Wanted- Seasonal Beekeeper Helpers: Rocanville (SK)

2 Full time positions for 7 months March 21 - October 21 - 2012
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2 full time positions for 3 months July 3 - Sept 21 - 2012
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Help Wanted - 11 Seasonal Workers: Langenburg (SK)

Full time beekeeper required Beekeeping experience an asset. Apr 15 till Oct 31 2012, \$10.07 to \$17.00 per hour. Glory bee Honey, phone 306-743-5469 or email DennisGlennie@sasktel.net for more information

Help Wanted-Seasonal Beekeepers: Nipawin (SK)

5 Full-time Seasonal Beekeepers and 10 Beekeeper's Helpers (apiary workers) for April to November 2012. Work is physically demanding, and includes hive management and maintenance. Wages \$10.07 to \$17.00, depends on experience. Contact Yves Garez ph: 306-862-5979 fax 306-862-5974 or email y.garez@sasktel.net

Help Wanted - 4 Beekeepers: Shellbrook (SK).

Wanted 4 beekeepers for May to October 2012. Wages depending on experience. Contact Jason Rinas, Email: jasonrinas@hotmail.com or Phone: 306-747-7220 or 306-764-4303 or 306-747-3130.

Help Wanted - Apiary Harvest Labourers: Zenon Park (SK)

Seasonal Beekeeper Wanted for April to November 2012 in Saskatchewan Honey Operation. Wages commencing \$10.07 hour. Contact Gerry Moyon phone 306-767-2757 or Fax Resume 306-767-2626 email: gemoyen@hotmail.com

Help Wanted - Seasonal beekeepers: Kinistino, (SK)

6 full time beekeeping positions for up to 8 months (April to Nov.) 2012. Familiar with beekeeping an asset but not required if willing to learn all aspect of beekeeping with training by employer. Starting wages will be \$ 10.07 with bonuses based on performances. Some week-end and evening work will be required during season for moving bees and bad weather during the week. Work is physically demanding and fast paced. E-mail resume to Bacon Apiaries at rbacon@sasktel.net or to dbacon13@sasktel.net or fax resume to 306-864-2451.

Help Wanted- Beekeeper Wanted: Porcupine Plain(SK)

Experienced Beekeeper Wanted for the 2012 season April to October. \$12-15 per hour, Depending on Experience. Contact Brad Lechler 306-278-2198, Porcupine Plain SK.

Help Wanted-25 Beekeepers Wanted: Nipawin (SK)

Full time beekeeping help, April to October. Beekeeping experience would be preferred. Wages start at \$10.07 per hour. Contact Mark Knox, knoxapiaries@sasktel.net , 306-862-5657, Box 179 Nipawin,Sask. S0E 1E0.

Help Wanted- 6 Apiary Technicians: Mission (BC)

Looking for 6 apiary technicians NOC 8253 starting FEB 14, 2012 in beautiful Mission, British Columbia. Candidates must be able to: - Handle, feed and care for honey bee colonies in an appropriate manner for the season. - Coordinate the production of queen cells, nucleus colonies, queens and or replacement beehives. - Recognize, report and monitor beehive health issues and apply appropriate disease controls. - Move beehives. - Collect and extract honey. - Drive and maintain vehicles (includes large trucks and forklifts). - Maintain bee yards. - Manufacture,

assemble and maintain beehive equipment. - Operate and maintain other apiary related equipment. Apiary technicians must have a minimum of 3 years working in a Canadian style commercial apiary. 2 of the Apiary technicians must have a valid driver's license. Salary is \$13.00 to \$14.00/hour. Send resume to Jean-Marc at: jeanmarcledorze@gmail.com NO PHONE CALLS PLEASE.

Help Wanted - 10 Seasonal Beekeepers positions: Aylsham (SK)

Wages starting at \$10.07 per hours based on experience and qualifications. Employment from April to October 2012. Beekeeping experience is preferred. Send resume to Valteau Apiaries Ltd. by fax @ 306-862-3682 or email Dan@valteau.apiaries@sasktel.net.

Help Wanted - Two experienced Apiarists: St Andrews (MB)

Two experienced Apiarists (NOC 8253) for up to eight months, April - November 2012. Must have at least high school graduation and beekeeping courses, a valid driver's license, at least 5 years experience in beekeeping. Hourly rate \$11.00 - \$14.00 depending on experience. Email CV and references to: margshoney@gmail.com

Help Wanted- Meskanaw, (SK)

2 beekeepers assistants required. April to October 2012. Wages 10.00 - 13.00 / hour depending on experience. contact Calvin Parsons 306-864-2632 email parsonsfamily@sasktel.net

Help Wanted- 4 Experienced Beekeepers and 1 Honeybee Farm Supervisor: Pitt Meadows (BC)

4 experienced beekeepers wanted for February 15-November 15, 2012, and 1 honeybee farm supervisor on permanent full-time basis starting February 01 2012. Preference will be given to candidates with queen rearing experience. Hourly pay rate of \$13 - \$18, depending on experience. Send resumes to Manager, Honeyland Canada Inc. manager@HoneylandCanada.com

Help Wanted- Experienced beekeeper : Porcupine Plain (SK)

Wanted: Experienced beekeeper (4-5 years) for fulltime position April-Oct 2012 in Porcupine Plain, Saskatchewan. Wages based on experience \$13-\$15/h. Contact George Knudsen 306-278-3372

Help Wanted - Full time seasonal apiarist : Argyle (MB)

Full time seasonal apiarist, wages are \$12 to \$15 per hr. depending on exp. job is physically demanding, must help with wrapping, feeding, making nucs, supering, pulling honey, honey extraction, medicating hives, and winter preparation. Please call Cal Grysiuk, ph./fax 204-831-7838, email acgrysiuk@shaw.ca, or mail 83 Acheson Dr. Winnipeg, MB R2Y 2E8.

Help Wanted - Full time Apiarist and Assistant Apiarist : Austin (MB)

Full time Apiarist and Assistant Apiarist needed for honey farm near Austin, MB., for 2012 season. Apiarist: May1-Oct1: tending all apiary duties like, hive management, harvesting, extracting honey and clean-up. \$12.33/hour. Assistant Apiarist: July10-Sept10, duties: harvesting, extracting honey, clean-up. \$10.00/Hour. Send resume to: Chris Rempel Box 358 Austin, MB. R0H 0C0 cdrempel@mts.net

Help Wanted - Full Time Seasonal Beekeeper: Carlisle (ON)

We have openings for 2012. April through October. Beeyard and honey house work. Heavy lifting, No bee sting allergies please. Wages dependant on experience. Send resume to John Van Alten, Dutchman's Gold Inc., 300 Carlisle Rd., Carlisle ON L0R 1H2 or email, info@dutchmansgold.com

Help Wanted - 12 Beekeepers : Shellbrook (SK).

Need 12 willing beekeeping workers for Apr.-Nov. 2012. Pay starts at \$10.07 with bonuses based on performance. Training is on the job. Accommodations provided on rental basis. Contact Murray: 306-747-3299 email: hanniganhoney@sasktel.net

Help Wanted - 2 Apiary Workers: East Vancouver (BC).

I have 2 openings for Apiary Workers NOC 8431. Candidates must have at least 1 year of beekeeping experience in a Canadian style commercial apiary.

Apiary workers must be able to:

-handle, feed and care for honey bee colonies in an appropriate manner for the season -assist in the production of queen cells, nucs, queens and/

or replacement beehives -recognize and report beehive health issues, and apply appropriate disease cures/controls -move beehives -collect and package honey -drive and maintain vehicles including large trucks and forklifts -maintain bee yards -manufacture, assemble and maintain beehive equipment -operate and maintain other apiary related equipment -keep limited field and/or production records.

Salary is 11.92/hour. Send resume to: Emmanuel Bilodeau, 3672 45th Ave. East, Vancouver, BC, V5R-3G4.

Or email to: emmanuelandhoney@yahoo.ca

Help Wanted - Two experienced beekeepers wanted.

Wage \$13-\$15/HOUR

March 15 till Nov 1 2012, Experienced in unwrapping, wrapping, feeding, making nucs, supering, pulling honey, honey extraction, medicating hives, and winter preparation. Job physically demanding, long hours, evenings, 6 days per week. Contact: Irwin Harlton, Email: iharlton@mts.net. Phone: 204 483 2382

Help Wanted - PLEASANT VALLEY requires General Farm Workers (Harvest Laborer): 3 required, experience is an asset but will be trained, wage starting at \$11.20/hr. Apiary workers (Low skill Worker): 7 required with a min. 1yr. experience, wage starting at \$12.28/hr. Apiary Technician (Skilled Worker): 4 required with a minimum 2yr. experience, wage starting at \$13.33/hr. All positions are to be filled for the 2012 Season. All wages are negotiable upon experience and productivity. A valid driver's licence is a benefit. Ability to speak English is an asset. Must be physically fit. Email resumes to jpoelman@xplornet.com attn. to Pleasant Valley or fax to 403-687-2410

Help Wanted - POELMAN APIARIES requires General Farm Workers (Harvest Laborer): 5 required, experience is an asset but will be trained, wage starting at \$11.20/hr. Apiary Workers (Low skill Worker): 14 required with a min. 1yr. experience, wage starting at \$12.28/hr. Apiary Technician (Skilled Worker): 6 required with a minimum 2yr. experience, wage starting at \$13.33/hr. All positions are to be filled for the 2012 Season. All wages are negotiable upon experience and productivity. A valid driver's licence is a benefit. Ability to speak English is an asset. Must be physically fit. Email resumes to jpoelman@xplornet.com attn. to Poelman Apiaries or fax to 403-687-2410

Help wanted full time to start as soon as possible

Must have experience in bee keeping drivers license. Be able to work with farm equipment and truck, must be in shape physically, we have 800 hives, want to go up salary after talking Quebec Canada. Email: fermejmdsl@hotmail.com.

Michel Larouche 705 chemin du roy Grondines (québec)
G0A 1W0, 418-268-3865, 418-487-6977

Help Wanted- 5 Beekeepers: Arborfield (SK)

Five beekeepers/ beekeeper assistants needed for north eastern Saskatchewan. Wages based on experience. Accommodation available. Contact Brent McKee Box 329 Arborfield SK S0E 0A0 or email honey.bee@sasktel.net or phone 306-769-8830.

Help Wanted - 5 Beekeeper Assistants: Good Spirit Lake (SK)

Full time beekeeping required. Beekeeping experience an asset. Apr 15 till Oct. 31, \$10.07 to \$17.00 per hour. Howland Enterprises, Inc., Phone 306-792-2044, Fax 306-792-2064 or email sashahowland@howlandshoney.com for more information.

Help Wanted - 3 seasonal beekeepers assistants - Arborfield (SK)

3 seasonal beekeepers assistants needed. In Arborfield, Saskatchewan. Work will be from approx. April 15 until Oct 15. Some experience with bees is necessary. Willing to expand training of qualified applicants. Wages negotiable based upon experience. Please reply, with resume and letter stating previous bee experience, to honey.bee@sasktel.net. Brent McKee (306)227-6091

Help Wanted - Seasonal Apiary Labourers - Saskatoon Area (SK)

Seasonal Apiary Labourers wanted for Saskatoon area commercial beekeeping/queen rearing operation. Four full time seasonal positions (April through October) for the 2012 season. Must have experience in

hive maintenance, harvesting and extraction of honey. Knowledge of queen rearing an asset. Wage \$12.75 -\$15.00 depending on experience. Apply to a.j.robertson@sasktel.net.

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Wanted - Borage or buckwheat honey: Toronto (ON)

Borage and buckwheat honey wanted. 100% pure honey. We are just north of Toronto. Call Henry Nauta, Penauta Products Inc. Phone 905-640-1564 or fax 905-640-7479

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Wanted - Bees Wax for candles: (ON)

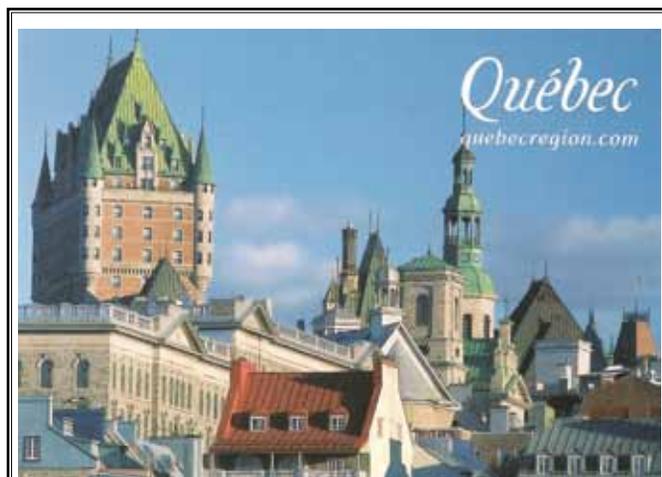
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Email: busybeewax@busybeebeeswax.ca,

Phone: 613-478-3784 Contact: Ian or JoAnn Fraser.

Wanted - Barrels of white and buckwheat honey: (ON)

Phone: 647-801-6690. Contact: Jonathan.



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Take part in the Apimondia Symposium which will be held in one of the world's greatest cities, Québec City, Canada, on November 16-17, 2012. World class speakers will offer an update on Honey Bee Queen breeding and pathology.

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