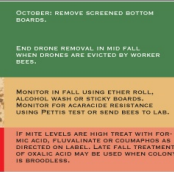
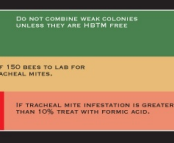
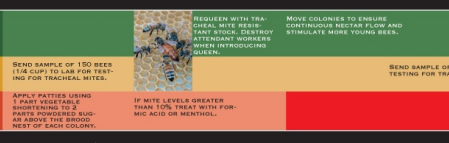


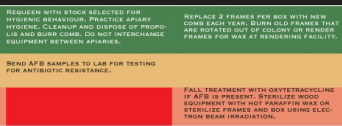
VARROA MITE (VARROA DESTRUCTOR) - VM



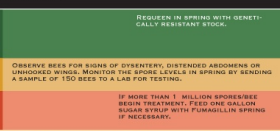
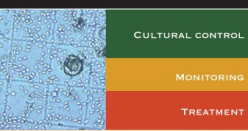
TRACHEAL MITE (ACARAPUS WOODI) - H2TM



AMERICAN FOULBROOD (PAENIBACILLUS LARVAE SP.) - AFB



NOSEMA (NOSEMA APIS & NOSEMA CERANAE) - NO



SEASONAL MONITORING & TREATMENT

Integrated Pest Management (IPM) represents the 3 E's of management for pests. An IPM program must be

- EFFECTIVE
- ECONOMICAL
- ENVIRONMENTALLY-SOUND.

IPM involves the suppression of pests and disease through several means of control:

Using CULTURAL and PHYSICAL PRACTICES to reduce the incidence

MONITORING and IDENTIFYING before they reach an economic threshold

TREATING through a combination of soft and hard chemicals to suppress to acceptable levels

EVALUATING THE EFFICACY of treatment

IPM FOR BEEKEEPERS

CHECK THAT THE TREATMENT WORKS

I cannot overemphasize the importance of not only controlling parasites and disease in the honey colony but also checking that the treatments worked. Varroa mites are a problem in their own. Combined with the presence of tracheal mites, the effect is exponential. We have documented losses of 80% when the issue is present. Add in a dose of mites, or AFB in the same situation and the colony will not survive. We have found that achieving mite control will reduce losses to very low levels. Checking that the treatment worked is vital to a good IPM program. It is time consuming but well worth the investment.

Dr Rob Curtis University of Manitoba

REDUCE THE USE OF HARD CHEMICALS

Our next transfer program concentrates on cultural and physical practices for pest and disease control. We help honeybees raised queens for hygienic behaviour and tracheal mite resistance. It has made a big impact in reducing the use of hard chemicals and in over winter survival. An important IPM program does not eliminate the use of pesticides but reduces the need, which saves money in the bank at the end of the year.

Allison Shellen-Guy Transfer Program

For more information
Honey Bee Disease and Pests.
Canadian Beekeepers Association
PO Box 214 English Station 4th Floor, Ottawa
K1P 6K8
www.honeybeekeepers.ca or visit your provincial association

LABS AND TESTING FACILITIES

LABORATORY	TESTS OFFERED	CONTACT
ADAPTA TREATMENT	Microscopic Parasitology	1-800-463-8632
APRIS	Diagnostix™ SM	1-800-463-8632
CLANBROOK	Microbiology	519-857-1414
FALCON HILL	98% Formic Acid	519-857-1414
FRANKLIN AVENUE	Diagnix and equipment	519-857-1414
GRANBY	98% Formic Acid	519-857-1414
HELEN PARK	Diagnix and equipment	519-857-1414
MANITOBA	Diagnix and equipment	519-857-1414
NIAGARA	Diagnix and equipment	519-857-1414
OTTAWA	Diagnix and equipment	519-857-1414
PERMITS	Diagnix and equipment	519-857-1414
SAULT STE MARIE	Diagnix and equipment	519-857-1414
SENBERTON	Diagnix and equipment	519-857-1414
SHEPPARD AVENUE	Diagnix and equipment	519-857-1414
ST. CATHARINES	Diagnix and equipment	519-857-1414
THORNHILL	Diagnix and equipment	519-857-1414
WINDSOR	Diagnix and equipment	519-857-1414
YORK MILLS	Diagnix and equipment	519-857-1414

ALBERTA Pestorial Agricultural Agri-Science Health Centre Pestorial 404 4040 20th Street, Red Deer Phone 403-345-1111 Phone 403-345-1112	BRITISH COLUMBIA BC Ministry of Agriculture and Food Pest Services 407-11th Street, Vancouver Phone 604-273-2626	ONTARIO Pestorial Agricultural 407-11th Street, Vancouver Phone 604-273-2626	PEPPER HARBOR Pest Services 407-11th Street, Vancouver Phone 604-273-2626
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