

Beleaf recommendations

- Use Beleaf as your aphicide choice before populations build to economically damaging levels
- Beleaf is soft on beneficials such as bees and predator mites
- Can be used anytime during the crop season including flowering
- Use 0.12 – 0.16 kg/ha for up to 21 days of aphid control
- A minimum water volume of 94 L/ha is recommended, use higher volumes when crop foliage density increases to ensure thorough coverage
- Beleaf can be tank mixed with other pesticides that are labeled for the same crops (be sure to check and follow product labels). FMC tests indicate that Beleaf is compatible with most other products (confirm with a jar test before using)
- Excellent formulation that mixes and sprays easily
- Convenient 6 X 0.68 kg pouches per case



UAP Canada is happy to offer a number of products that growers can utilize in their programs that demonstrate results while delivering lower loads to the environment. These products deliver either low or no MRLs or are soft to beneficials and work well in resistance management programs.

Rotating crop protection products is a key practice to prevent the build-up of weed, insect and disease resistance. UAP encourages farmers to rotate their crop protection products to ensure they continue to be effective.

UAP Canada markets over 100 other fungicide, insecticide and herbicide products. Choose from adjuvants like LI 700[®] and Liberate[®], herbicides like Bonanza[®] and Oracle[®], insecticides like Pounce[®] and Lagon[®] and fungicides like Serenade[®] and Echo[®].

Look to UAP to deliver flexibility, freedom and choice in your crop protection decisions.

Call your nearest crop input retailer today for more information on Beleaf and other UAP products.

www.uap.ca

Western Canada: 1-800-561-5444
British Columbia: 1-604-534-8815
Ontario & the Maritimes: 1-800-265-5444
Quebec: 1-800-361-9369

Always read and follow label directions.
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All other products are registered by their respective companies.
Member of CropLife Canada.



A New Pest Control Chemistry
for Higher Quality Yields

Stop the Feeding and Stop the Damage to Dramatically Improve Yield and Quality

Introducing Beleaf™ 50SG — a new mode of action for the ideal aphid control to achieve higher quality yields.

Feeding by aphids damages fruit and vegetable plants which impacts yield and quality. Every time an aphid inserts its stylet to feed, it causes plant tissue damage, steals nutrients, and increases the chance for disease transmission.

Percentage of PVY before and after Insecticide application
2009 University of Idaho
(Data courtesy of Dr. J. Alvarez)

Treatment	Initial PVY	Cumulative PVY
Untreated	0	25
Fulfill	0	10
Beleaf 79.4 g/A + NIS	0	0

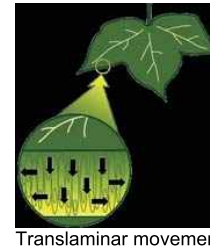
Research prepared in 2009 at University of Idaho

Beleaf insecticide has a unique mode of action that specifically targets aphids, key pests that impact quality and yield in leafy and fruiting vegetables, brassicas, cucurbits, pome and stone fruit, tuberous and corm vegetables (including potatoes), root vegetables (excluding sugar beet) and hops. Beleaf is effective for piercing and sucking pest control, yet it is soft on beneficial insects such as bees and predator mites. It is an ideal component of insect resistance management programs.

A Unique Mode of Action

Unlike traditional insecticides which depend on direct knockdown of the insect pest by contact only, Beleaf quickly stops aphid feeding and potential disease transmission, which protects yield and ensures quality. Once feeding stops, these insects can no longer harm the crop, and they starve.

- Beleaf is active by contact and ingestion
- Beleaf has translaminar movement within leaf tissue
- Beleaf is rainfast when it dries on the leaf surface
- Beleaf has no known cross-resistance with other insecticides
- Beleaf is soft on beneficial insects, such as bees and predator mites
- Excellent residual activity



A New Class of Chemistry

Beleaf is a novel class of chemistry with a unique mode of action. Beleaf is active on the A-Type Potassium Channel. Once the target insect is exposed to Beleaf, either by contact, ingestion or both, the active ingredient quickly moves into the insect and blocks the potassium channel of the nervous system. Within 30 minutes after exposure, aphids begin to lose their ability to feed, which is irreversible, and eventually starve to death. This rapid reduction in feeding activity leads to increased yield and quality of the crop.

Beleaf is Selectively Effective

- The active ingredient in Beleaf is flonicamid, the only insecticide registered on vegetables and fruits in this chemical classification group
- Insects begin to stop feeding within 30 minutes after ingesting or coming in contact with Beleaf
- Beleaf can provide up to 21 days of control depending on rate and pest population. The higher recommended rate will increase days of control
- Pest control evaluations should be made after the insect dies, which is approximately 5-7 days after treatment
- A key component in insect resistance management programs and Integrated pest management programs

