

Long Island Sustainable Winegrowing Insect Control Program ©

LISW’s Insect Control Program is based first on a clear understanding of insect pests’ life cycles and the principles and practice of Integrated Pest Management. This allows us to reduce the number of times we intervene with insecticide applications. In addition, LISW is committed to the reduction in use of Restricted Use Products and “broad spectrum” insecticides that kill beneficial insects along with targeted pests, and an increased reliance on EPA Reduced-Risk insecticides that have more targeted effect on specific insect pests.

Each pesticide applied is an application, regardless of rate

Disclaimer: target pests listed below are those listed on the pesticide label. LISW makes no claims concerning efficacy of these products for the stated pest.

Insecticide Material Categories

NOT ALLOWED

Use in Agriculture/Horticulture has led to Groundwater Concerns

| <u>Active Ingredient</u> | <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> |
|---|-------------------|-----------|------------|-----------|--------------|
| Imidacloprid* | Admire Pro | X | | | |
| Imidacloprid | Provado | X | | | |
| Imidacloprid (+ bifenthrin) | Brigadier | X | X | X | |
| Imidacloprid (+ betacyfluthrin) | Leverage | X | X | X | |
| Bifenthrin (+ imidacloprid + zeta cypermethrin) | Triple Crown | | | | |
| Malathion | All Formulations | | | | |

ALLOWED with restrictions

Restricted Use Insecticides (RUP=Restricted Use Product) **Score for Single Use = 1**

| <u>Active Ingredient</u> | <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> |
|--------------------------|-------------------|-----------|------------|-----------|--------------|
| Abamectin | Agri-Mek | | X | | X |
| Betacyfluthrin | Baythroid | X | X | X | |
| Bifenthrin | Brigade | X | X | X | |
| Fenbutatin-oxide | Vendex | | | | X |
| Fenpropathrin | Danitol | X | X | X | |
| Phosmet | Imidan | X | X | X | |
| Zeta - Cypermethrin* | Mustang Maxx | | | | |

*These slightly different product names can be confusing. All are RUP’s and all have different EPA numbers:
a. Mustang is labeled for grape but not SWD (spotted wing drosophila).
b. Mustang Max is ‘discontinued’ though it does have the 2(ee) label for SWD in grape.
c. Mustang Maxx has 2(ee) label for SWD in grape and appears to be the current product of interest.

ALLOWED with restrictions

Broad Spectrum (Non-RUP)

Active Ingredient

Carbaryl

Score for Single Use = 1

| <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> |
|-------------------|-----------|------------|-----------|--------------|
| Sevin | X | X | X | |

ALLOWED conventional

Active Ingredient

Cyflumetofen

Pyriproxyfen

Score for Single Use = 1

| <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> | <u>Mealybug</u> |
|-------------------|-----------|------------|-----------|--------------|-----------------|
| Nealta | | | | X | |
| Knack | | X | | | X* |

*Knack is not labeled for mealybug control but it is labeled for scale control

ALLOWED: LISW LOW-IMPACT

Reduced Risk Insecticides (EPA designated)

Active Ingredient

Acequinocyl

Acetamiprid

Beauveria bassiana GHA

Bifenazate

Etoxazole

Hexythiazox

Fenpyroximate

Indoxacarb

Spinetoram

Spirotetramat

Score for Labeled Use = 0

| <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> | <u>Mealybug</u> |
|-------------------|-----------|------------|-----------|--------------|-----------------|
| Kanemite 15 SC | | | | X | |
| Assail | X | | X | | X |
| Boetgha | X | | | | X |
| Acramite Zeal | | | | X | |
| Miticide 1 | | | | X | |
| Onager Miticide | | | | X | |
| Portal | | | | X | X |
| Avaunt | | X | X | | |
| Delegate | | X | | | |
| Movento | | | | | X |

Bio-pesticides (EPA designated & Organic NOSB-allowed) Score for Labeled Use = 0

Active Ingredient

Bacillus thurengiensis

Isaria fumosorosea
Apopka Strain 97

Trade Name

Deliver,
Dipel DF, Dipel ES

PFR-97

LH GBM JB Mites Mealybug

X

X

Organic Insecticides (NOSB allowed): Allowed

Score for Labeled Use = 0

| <u>Active Ingredient</u> | <u>Trade Name</u> | <u>LH</u> | <u>GBM</u> | <u>JB</u> | <u>Mites</u> | <u>Mealy</u> |
|---------------------------------------|---------------------|-----------|------------|-----------|--------------|--------------|
| Azadirachtin | Aza-Direct | | | X | X | |
| Burkholderia sp. | Venerate | | | | | |
| Chromobacterium subtsugae | Grandevo | X | X | X | X | |
| K-Salts of Fatty Acids | M-Pede | X | | | X | |
| Kaolin | Surround WP | X | | X | | |
| Organic formulation of Paraffinic Oil | JMS Stylet Oil | X | | | X | X |
| Organic formulation of Sulfur | Microthiol Disperss | | | | X | |
| Pyrethrin | Pyganic, etc | X | X | X | | |
| Pyrethrin/Neem | Azera | X | X | | | |
| Spinosad | Entrust 2 SC | | X | | | |

* Use in Agriculture/Horticulture has led to groundwater concerns. Imidicloprid and combination formulations that include imidacloprid are not allowed.

PLEASE NOTE: Last season, a list of materials labeled for control of [spotted wing drosophila](#) was published by Cornell. This list of 2ee labels included materials listed in this document as well as several additional products. Due to time constraints, a thorough review of this list was not possible. Therefore, growers will not be penalized for use of materials on this list with one exception – products containing the active ingredient **Imidacloprid** are still prohibited for use in the LISW program.

LISW Insecticide Scoring System

The goals of the LISW include the elimination of use of insecticides that have groundwater concerns, the reduction in use of EPA Restricted Use Product (RUP) insecticides, and reduction in use of “broad spectrum” insecticides that impact beneficial insects. The LISW encourages their replacement with the use of EPA Reduced Risk insecticides, EPA Bio-pesticides, and OMRI-listed and WSDA-listed Organic insecticides (that are not broad spectrum). Each type of insecticidal material is assigned a score of “0” or “1” for each use, with RUPs and “broad spectrum” non-RUP materials rating “1”, and the “low-input” materials rating a “0”.

How is this scored?

Recognizing that at this time, and under certain growing season conditions, some growers may need to use RUP and “broad spectrum” non-RUP insecticidal materials to bring a serious insect infestation under control, the LISW will allow growers to accumulate a season long point total of “2”, ie—a grower will be able to use *either* an RUP *or* a “broad spectrum” non-RUP insecticide a total of two times *or* one application of an RUP *and* one application of a “broad spectrum”, and remain within the LISW guidelines.