RELY ON OUR FULL PORTFOLIO OF VEGETABLE PEST MANAGEMENT PRODUCTS.

**QUICK REFERENCE FOR VEGETABLE CROPS**

(*Selected crops, pests and diseases. See the product labels for complete information.*)

<table>
<thead>
<tr>
<th>INSECTICIDES</th>
<th>Bulb Vegetables</th>
<th>Cole Crops</th>
<th>Cucurbits</th>
<th>Fruiting Vegetables</th>
<th>Leafy Vegetables</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Radiant® SC</strong></td>
<td>Armyworm, looper, dipterous leafminers, thrips</td>
<td>Armyworms, cabbage looper, diamondback moth, dipterous leafminers, thrips</td>
<td>Armyworms, cabbage looper, dipterous leafminers, thrips, melonworm, pickleworm</td>
<td>Armyworms, Colorado potato beetle, hornworms, looper, dipterous leafminers, thrips, flower thrips</td>
<td>Armyworms, cabbage looper, diamondback moth, dipterous leafminers, thrips</td>
</tr>
<tr>
<td><strong>Intrapid® 2F</strong></td>
<td>Beet armyworm, cabbage looper, fall armyworm, true armyworm, yellowstriped armyworm</td>
<td>armyworm, melonworm, pickleworm</td>
<td>Alfalfa looper, beet armyworm, cabbage looper, true armyworm, yellowstriped armyworm</td>
<td>Beet armyworm, cabbage looper, southern armyworm, true armyworm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FUNGICIDES</th>
<th>Asparagus</th>
<th>Bulbs</th>
<th>Cucurbits</th>
<th>Fruiting Vegetables</th>
<th>Lettuce</th>
<th>Snap Beans</th>
<th>Potatoes</th>
<th>Strawberries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rally®</td>
<td>Rust</td>
<td>Powdery mildew</td>
<td>(Tomato) Powdery mildew</td>
<td>Rust, pod tip rot</td>
<td>Powdery mildew</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quintec®</td>
<td>Cercospora leaf spot, rust</td>
<td>Botrytis leaf blight, downy mildew</td>
<td>Anthracnose, cerospora leaf spot, greenhouse stem blight, microdochium blight, scab, alternaria leaf spot, downy mildew</td>
<td>(Tomato) Anthracnose, early blight, gray leaf spot, late blight, leaf mold, septoria leaf spot, bacterial spot, bacterial spot</td>
<td>Powdery mildew</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dithane®</td>
<td>Cercospora leaf spot, rust</td>
<td>Botrytis leaf blight, downy mildew</td>
<td>Anthracnose, cerospora leaf spot, greenhouse stem blight, microdochium blight, scab, alternaria leaf spot, downy mildew</td>
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<tr>
<th>INSECTICIDE/ FUNGICIDE</th>
<th>Insects</th>
<th>Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M-Pede®</strong></td>
<td>Leafminer, green peach aphid, other aphids, whiteflies, thrips, leafhoppers, spider mites, broad mites, rust mites, leafhoppers</td>
<td>Powdery mildew (contact activity)</td>
</tr>
</tbody>
</table>

| SOL. FUMIGANT | Preplant soil treatment for many vegetable crops, including potatoes, melons, tomatoes, peppers, cole crops and strawberries. |
|--------------|---------------------------------------------------------------------------------------------------------------------------------
| Telone® II | NEMATODES | Plant parasitic (cyst forming) nematodes, including dagger, lace, pin, needle, reniform, ring, root knot, root lesion, spiral, sting and stubby root. |
| | INSECTS | Symphytans, or garden centipedes, and wireworms (suppression) |
| | SOIL-BORNE DISEASE | Telone® II can help manage certain soil-borne diseases (see label) |

[Image of Vegetable Crop Protection Guide]
NEW RADIANT™ SC INSECTICIDE SETS A NEW STANDARD IN INSECT CONTROL.

Radiant™ SC insecticide is a bright new ray of hope for vegetable producers who want to control worms, leafminers, thrips and more. That’s because Radiant contains spinetoram — an innovative active ingredient that delivers fast knockdown and broad-spectrum control of destructive pests in fruiting and leafy vegetables, cole crops, cucurbits and legumes.

Powerful new benchmark for the control of tough vegetable insects:

- Loopers
- Armyworms
- Thrips
- Leafminers
- Diamondback moth
- Other damaging insects

Radiant is a convenient, easy-to-use tool that fits the needs of today’s vegetable grower:

- Four-hour re-entry interval (REI) — treat insect problems without delaying other tasks
- As little as one-day preharvest interval (PHI) — protect value and marketability of produce right up to harvest
- Minimal personal protective equipment (PPE) requirements
- Low use rates
- Excellent residual activity that protects crops between sprays
- Effective Integrated Pest Management (IPM) tool
- Registered under Reduced Risk Pesticide Initiative of the U.S. Environmental Protection Agency (EPA)
- The active ingredient, spinetoram, recently received the 2008 Presidential Green Chemistry Challenge Award from the EPA

“Radiant provides good residual control of multiple species of armyworm larvae, even at 14-day spray interval. Radiant is a good option when both armyworm and leafminer are present.”

— David J. Schuster, University of Florida

EFFECTIVE TOOLS FOR CONTROLLING OTHER PESTS AND DISEASES.

M-Pede® insecticide/fungicide controls aphids, mites and powdery mildew in many vegetable crops, including those grown organically.

- M-Pede® insecticide/fungicide is an effective contact insecticide, miticide and fungicide for management of powdery mildew, mites and soft-bodied insects, such as aphids, whiteflies and mealybugs.
- It is especially effective on mites, aphids and whiteflies.
- M-Pede helps manage powdery mildew by contact activity.
- M-Pede is used as a foliar spray on a wide variety of vegetables, fruit and nut crops, in conventional and organic agriculture.
- Apply M-Pede at the stand-alone rate of 2 percent volume-per-volume solution as soon as a pest is observed or as needed to avoid economic injury.
- Repeat applications should be made at one-week intervals, or as needed.
- M-Pede has received OMRI certification for use on organic crops.
- See the product label for complete rates, timing and application information.

TELONE® II SOIL FUMIGANT OFFERS SUPERIOR CONTROL OF MAJOR NEMATODE SPECIES.

- Telope® II soil fumigant offers control that is superior to all competitive nematicides for labeled pests.
- It controls yield-robbing nematodes that can act as vectors for costly diseases.
- It can result in higher yields and higher-quality production.
- Fumigation is a cost-effective yield protection that improves uniformity of plant height, and increases nutrient and water uptake.
- Proper application results in consistent, predictable results.
- Telope II is a viable alternative to methyl bromide for managing nematodes.
- See the product label for complete rates, timing and application information.
A FUNGICIDE TO MATCH NEARLY EVERY NEED.
(See back cover for Quick Reference chart.)

Rally® 40WSP fungicide controls powdery mildew in tomatoes and melons; and rust and pod tip rot in snap beans.

- Rally® 40WSP fungicide is a systemic protectant and curative fungicide.
- Rally is the new brand name replacing Nova®40W fungicide and contains the same active ingredient you have always trusted.
- It is recommended for controlling powdery mildew on a variety of vegetable crops, including cucurbits, snap beans and tomatoes.
- Systemic activity resists wash-off and protects new growth on certain crops.
- Apply Rally at 2.5 to 5.0 oz./A at the first sign of disease and repeat on a seven- or 10-day schedule.
- See the product label for complete rates, timing and application information.

Quintec® fungicide controls powdery mildew in many crops.
- Quintec® fungicide controls powdery mildew in lettuce, melons, strawberries and peppers.
- It has a unique ability to redistribute around fruit and foliage after application — and reaches hard-to-cover areas.
- Quintec offers a unique mode of action never before used in North American crops — a valuable resistance-management tool.
- It can be used as a foundation product for powdery mildew and rotated with other fungicides, such as Rally.
- It does not disturb nontarget species or create crop safety issues.
- Apply Quintec before signs of powdery mildew occur — see the product label for full application information.

Quintec also offers an extended spray interval that protects foliage and fruit long after application, and a completely new mode of action. Its active ingredient, quinoxyfen, is the only product available today from the quinoline class of chemistry.

Dithane® fungicide is a proven performer.
- Dithane® fungicide is a trusted protectant partner in many disease control programs.
- It is a high-quality mancozeb contact fungicide with broad registrations on more than 30 vegetable, fruit, field, vine and specialty crops.
- It controls fungus spores as they germinate.
- See the product label for complete rates, timing and application information.

Outstanding Control of Lepidopteran Larvae
Fall Broccoli Trial — Virginia 2007

Total number of lepidopteran larvae per five plants

- Untreated Control
- Radiant® SC 6 oz/A

Source: Tom Kuhar, Ph.D., Radiant (spinetoram) for Vegetable Crops in Virginia.
Studies conducted at Virginia Tech show the effectiveness of Radiant® SC insecticide in controlling beet armyworm, cabbage webworm and cabbage looper in broccoli.

Effective in targeted IPM programs.
When used in a targeted IPM program, Radiant® SC insecticide maintains populations of most beneficial insects — including ladybeetles, bees, lacewings and parasitic wasps — without flaring secondary pests. With Radiant, the feeding activities of these beneficials can aid in natural control of other insects and reduce the likelihood of secondary pest outbreaks.

“Radiant is an excellent rotational insecticide for IPM of many hard-to-kill lepidopteran pests.”
— Tom Kuhar, Associate Professor of Entomology, Virginia Tech

Radiant is just the latest addition to the vegetable pest portfolio from Dow AgroSciences. For an overview of the complete line of insecticides, fungicides and soil fumigant for protecting vegetable crops, see the back cover.

Guidelines for effective use of Radiant.
- Scout weekly throughout the season.
- Monitor pest populations to determine when economic thresholds are exceeded.
- Time applications to coincide with peak egg hatch in lepidopterous species or small larvae stages.
- Apply Radiant® SC insecticide as a foliar spray at recommended rates on the product label.
- Carefully follow label guidelines and recommendations regarding insect resistance management (IRM), including:
  - Do not make more than two consecutive applications of Group 5 insecticides (spinetoram and spinosad).
  - If more applications are required, rotate to another class of effective insecticide for at least one application.
  - Do not apply Radiant more than six times per calendar year for diamondback moth.
“Spinetoram (Radiant) integrates well with predatory bugs, and many other natural enemies, in conservation biological control programs.”

— Joe Funderburk, Professor of Entomology, University of Florida-Quincy

Radiant Belongs at the Top of Pest Management Options

<table>
<thead>
<tr>
<th>Insecticide</th>
<th>Control Characteristics</th>
<th>PHI/REI</th>
</tr>
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<tbody>
<tr>
<td>Radiant™ SC Insecticide</td>
<td>Broad-spectrum control of worms, leafminer and thrips, Minimum PPE</td>
<td>As little as 1-day PHI, depending on the crop, 4-hour REI</td>
</tr>
<tr>
<td>Intrepid® 2F Insecticide</td>
<td>Broad-spectrum worm control, Long residual, Large worm control</td>
<td>As little as 1-day PHI, depending on the crop, 4-hour REI</td>
</tr>
<tr>
<td>Agri-Mek Miticide/Insecticide</td>
<td>No control of worms, Restricted Use Pesticide</td>
<td>As little as 3-day PHI, depending on the crop, 12-hour REI</td>
</tr>
<tr>
<td>Avaunt Insecticide</td>
<td>No control of leafminers and thrips</td>
<td>Minimum of 3-day PHI, depending on the crop, 12-hour REI</td>
</tr>
</tbody>
</table>

“Radiant provided significant reduction of leafminer on tomato. The performance of Radiant is superior to other treatments.”

— Dakshina Seal, University of Florida

Guidelines for using Intrepid.

- The active ingredient in Intrepid® 2F insecticide — methoxyfenozide — mimics the natural insect molting hormone. Within hours of ingesting Intrepid, larvae begin a premature molt, rapidly stop feeding and die.
- Intrepid must be ingested by the target pest to deliver results, so it must be applied to correspond with feeding activity: just prior to egg hatch for internal-feeding larvae; and during active feeding for foliar- or surface-feeding larvae.
- Commercial applications show quick feeding cessation.
- Intrepid delivers between 10 and 14 days of residual activity on treated foliage.
- It may be reapplied to protect new flushes of foliage and rapidly expanding fruit, or for extended infestations.
- See the product label for complete rates, timing and application information.

“Intrepid is my first choice on armyworms in tomatoes, peppers, watermelons and cucumbers. Once we spray that flight with Intrepid, we don’t have to treat again for a while.”

— Henry Yonce, KAC Agricultural Research, Inc.

Intrepid® 2F insecticide provides an alternate mode of action for worm control.

- Intrepid® 2F insecticide delivers outstanding control of the most damaging worms (lepidopteran larvae) in cole crops, and leafy and fruiting vegetables.
- This insect growth regulator has not demonstrated adverse toxicological effects to most beneficial insects, mites or pollinators.
- Intrepid (a Group 18 insecticide) can be an ideal tool in an IPM program with Radiant™ SC insecticide, providing exceptional, dependable insect control while also combating the large armyworms that other rotations just can’t handle.

Leafminer (Liriomyza trifolii) on Tomato

Source: Dr. Dakshina Seal, University of Florida.

Studies conducted at the University of Florida show the effectiveness of Radiant™ SC insecticide versus competitive brands in controlling leafminer in tomatoes.