



This is a section from the

**2018**

**Mid-Atlantic**

**Commercial Vegetable**

**Production Recommendations**

The manual, which is published annually, is **NOT** for home gardener use.

The **full manual**, containing recommendations specific to New Jersey, can be found on the Rutgers NJAES website in the Publications section:

*<http://njaes.rutgers.edu/pubs/publication.asp?pid=E001>*.

The **label** is a legally-binding contract between the user and the manufacturer. The user must follow all rates and restrictions as per label directions. The use of any pesticide inconsistent with the label directions is a violation of Federal law.

**Cooperating Agencies:** Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.

## F. Commodity Recommendations

### Pesticide Use Disclaimer

#### **THE LABEL IS THE LAW**

**Before using a pesticide, check the label for up to date rates and restrictions.**

Labels can be downloaded from: <http://www.cdms.net/>, <http://www.greenbook.net/> or <http://www.agrian.com/labelcenter/results.cfm>

#### **Guide to the Recommended Pesticide Tables in the Following Crop Chapters:**

1. Pesticides are listed by **group or code number based on chemical structure and mode of action**, as classified by the Weed Science Society of America (WSSA) for herbicides, the Insecticide Resistance Action Committee (IRAC) for insecticides, and the Fungicide Resistance Action Committee (FRAC) for fungicides.  
**If the number is in bold font, the product may have resistance concerns.**
2. For **restricted use pesticides**, the restricted active ingredients are labeled with a \*. See the Pesticide Safety chapter for more information.
3. **In addition to the pesticides listed below, other formulations or brands with the same active ingredient(s) may be available. ALWAYS CHECK THE LABEL:**
  - a) to ensure a pesticide is labeled for the same use,
  - b) to ensure the pesticide is labeled for the desired crop, and
  - c) for additional restrictions.
4. All pesticide recommendations are made for spraying a **broadcast area of 1 acre** (43,560 square feet). **Adjust the rate for banded applications** (for more information, see the Pest Management chapter, Calibrating Granular Applicators section).
5. Check the label for the maximum amount of pesticide per application and the maximum number of applications per year.
6. **Bee Toxicity Rating (Bee TR):** N=nontoxic; L=minimum impact on bees; M=moderately toxic, can be used if dosage, timing and method of application are correct, but should NOT be applied directly to crop if bees are present; H=highly toxic, severe losses expected, -- = data not available.

# Greens (Mustard and Turnip)

## Recommended Varieties - Mustards and Turnips<sup>1,2</sup>

Type	Variety	Use	Hybrid	Season <sup>3</sup>	Description
Mustard	Florida Broadleaf	Cooked	No	Fall	Green, flat leaf
	Garnet Giant	Salad	No	Fall	Red, flat leaf
	Green Wave	Cooked, Salad	No	Fall	Green, curled leaf
	Red Giant	Cooked, Salad	No	Fall	Red, crinkled leaf
	Red Splendor	Cooked, Salad	No	Spring/Fall	Red, serrated leaf
	Savannah	Cooked	Yes	Spring/Fall	Green, flat leaf
	Scarlet Frills	Salad	No	Spring/Fall	Red, ruffled leaf
	Southern Giant Curled	Cooked	No	Fall	Green, curled leaf
	Tendergreen	Cooked	No	Fall	Green, flat leaf
Asian Mustard	Carlton Komatsuna	Cooked, Salad	Yes	Spring/Fall	Green, flat leaf
	Green Mizuna	Cooked, Salad	No	Fall	Green, serrated leaf
	Miz America	Cooked, Salad	No	Fall	Red, toothed leaf
	Purple Mizuna	Cooked, Salad	No	Fall	Purple, serrated leaf
	Summerfest Komatsuna	Cooked, Salad	Yes	Spring/Fall	Green, flat leaf
	Tatsoi	Cooked, Salad	No	Fall	Green, semi savoy leaf
Turnip	Tatsoi Savoy	Cooked, Salad	No	Fall	Green, heavy savoy leaf
	Alamo	Cooked, Salad	Yes	Spring/Fall	Green, flat leaf
	All Top	Cooked	Yes	Fall	Green, flat leaf
	Seven Top	Cooked	No	Fall	Green, serrated leaf
	Southern Green	Cooked	Yes	Fall	Green flat leaf
	Topper	Cooked	Yes	Spring/Fall	Green, serrated leaf
Top Star	Cooked	Yes	Spring/Fall	Green, serrated leaf	

<sup>1</sup>Listed alphabetically. <sup>2</sup>For Kale and Collard Greens, see the Cole Crops section. <sup>3</sup>Recommended growing season for full size harvest without bolting. Greens may be planted throughout the year for harvest in the baby stage.

## Recommended Nutrients Based on Soil Tests

In addition to using the table below, check the suggestions on rate, timing, and placement of nutrients in your soil test report and the Soil and Nutrient Management chapter. Your state's soil test report recommendations and/or your farm's nutrient management plan supersede recommendations found below.

Greens (Mustard, Turnip)	N (lb/A)	Soil Phosphorus Level				Soil Potassium Level				Nutrient Timing and Method
		Low	Med	High (Opt)	Very High	Low	Med	High (Opt)	Very High	
		P <sub>2</sub> O <sub>5</sub> (lb/A)				K <sub>2</sub> O (lb/A)				
	50-110	150	100	50	0	150	100	50	0	Total nutrient recommended
	50	150	100	50	0	150	100	50	0	Broadcast and disk-in
	25-60	0	0	0	0	0	0	0	0	Topdress after each cutting

## Seeding

Seed in early- to mid-August for fall harvest. Mustards and turnip greens planted in the spring are susceptible to bolting if exposed to cold temperatures for prolonged periods of time, and only bolt-resistant varieties such as Savanna mustard and Alamo turnip should be grown. Later spring plantings (April) have a lower risk of bolting. For all plantings, sow 3-4 lb/A of seed in rows 12-24 inches apart. A wide variety of mustards are available for incorporating into salad mixes for microgreens or baby salad mixes. These are sown in beds or trays as a broadcast or in narrow rows. They can be seeded from late winter through late fall in high tunnels for successive harvests.

## Harvesting

Greens may be harvested by cutting off entire plants near ground level for a single harvest, or by cutting 2-6 inches above the ground to allow for regrowth. For processing, greens are machine cut 4-6 inches from the ground when full tonnage has been achieved but before petioles and midribs have become too large. Multiple harvests may be possible. Greens should be transported as quickly as possible to the processing plant.

Greens for baby salad mixes are cut at ground level for a single harvest, or 1-2 inches from the ground for multiple cuts. They should be held as close to 32°F as possible, because of their perishability. At this temperature,

## F Greens (Mustard and Turnip)

they can be held 10-14 days. Relative humidity of at least 95% is desirable to prevent wilting. Air circulation should be adequate to remove heat of respiration, but not too rapid as that will speed transpiration and wilting. Satisfactory precooling is accomplished by vacuum cooling or hydrocooling.

Greens are commonly shipped with package and top ice. Greens packed in polyethylene-lined crates and protected by crushed ice keep in excellent condition if kept near 32°F but deteriorate rapidly at higher temperatures.

## Weed Control

**THE LABEL IS THE LAW - See the Pesticide Use Disclaimer on page F 1.**

### Recommended Herbicides

1. Identify the weeds in each field and select recommended herbicides. More information is available in the "Herbicide Effectiveness on Common Weeds in Vegetables" Table (E-2) in the Pest Management chapter.
2. Minimize herbicide resistance development. Identify the herbicide site mode of action group and follow recommended good management practices. Include non-chemical weed control whenever possible.

1. Soil-Applied (Preplant Incorporated or Preemergence)						
Group	Product Name	Product Rate	Active Ingredient (*=Restricted Use)	Active Ingredient Rate	PHI (d)	REI (h)
3	Dacthal 6F Dacthal W-75	6.0 to 14.0 pt/A 6.0 to 14 lb/A	<b>DCPA</b>	4.5 to 10.5 lb/A	--	12
<p><b>-Labeled for turnip and mustard greens.</b> Labeled for preplant incorporated or preemergence; <b>do not</b> incorporate deeper than 2 inches.                      -Labeled for applications over the top of transplants without injury (will not control emerged weeds).                      -Primarily controls annual grasses and a few broadleaf weeds, including common purslane. Results have been most consistent when used in fields with coarse -textured soils low in organic matter, and when the application are followed by rainfall or irrigation.                      -Maximum application not addressed on label.</p>						
3	Treflan 4EC	1.0 to 1.5 pt/A	<b>trifluralin</b>	0.5 to 0.75 lb/A	--	12
<p><b>-Labeled for turnip greens for processing and mustard greens.</b> Incorporate into 2-3 inches of soil within 8 hr after application.                      -Primarily controls annual grasses and a few broadleaf weeds. Poor incorporation can reduce overall weed control.                      -<b>Do not</b> use (or reduce the rate) used when cold, wet soil conditions are expected, or crop injury may result.                      -Maximum application not addressed on label.</p>						
8	Prefar 4E	5.0 to 6.0 qt/A	<b>bensulide</b>	5.0 to 6.0 lb/A	--	--
<p><b>-Labeled for mustard greens.</b> 24© label for NJ only allows applications up to 9 qt/A.                      -Labeled for preplant incorporated or preemergence applications; <b>do not</b> incorporate more than 2 inches deep (1 inch is optimum).                      -If applied preemergence, irrigate irrigate within 36 hrs of application with ½ inch of water; if not incorporated with irrigation or rainfall within 36 hrs, weed control maybe reduced. Provides control/suppression of some annual grass weeds and some broadleaves including pigweeds, purslane, and lambsquarters. <b>Do not</b> apply more than 6 lb ai/A per season.</p>						

### 2. Postemergence

Group	Product Name	Product Rate	Active Ingredient (*=Restricted Use)	Active Ingredient Rate	PHI (d)	REI (h)
1	Select 2EC	6 to 8 fl oz/A	<b>clethodim</b>	0.07 to 0.12 lb/A	14	24
	Select Max 0.97EC	9.0 to 16.0 fl oz/A				
	Poast 1.5EC	1.0 to 1.5 pt/A	<b>sethoxydim</b>	0.2 to 0.3 lb/A	30	12
<p><b>-Select 2EC:</b> use crop oil concentrate (COC) at 1% v/v (1 gal/100 gal of spray solution). <b>Select Max:</b> use nonionic surfactant (NIS) at 0.25% v/v (1 qt/100 gal of spray solution). <b>Poast:</b> Apply with COC at 1.0% v/v. <b>The use of COC may increase the risk of crop injury when hot or humid conditions prevail.</b> To reduce the risk of crop injury, omit additives or switch to nonionic surfactant when grasses are small and soil moisture is adequate.                      -Use lower labeled rates for annual grass control and higher labeled rates for perennial grass control. Yellow nutsedge, wild onion, wild garlic, and broadleaf weeds will not be controlled. Controls many annual and certain perennial grasses, including annual bluegrass, but Select will not consistently control goosegrass. Control may be reduced if grasses are large or under hot or dry weather conditions.                      -If repeat applications are necessary, allow 14 days between applications.                      -<b>Do not</b> tank-mix with or apply within 2 to 3 days of any other pesticide - unless labeled - as this may increase the risk of crop injury or reduce the control of grasses. Rainfastness 1 hr. <b>Do not</b> apply more than 8 fl oz of Select 2EC in a single application and <b>do not</b> exceed 2 pt/A for the season; <b>do not</b> apply more than 16 fl oz of Select Max in a single application and <b>do not</b> exceed 4 pt/A for the season. <b>Do not</b> apply more than 1.5 pt/A Poast in single application and <b>do not</b> exceed 3 pt/A for the season.</p>						
4	Stinger 3A / Spur 3A	4.0 to 8.0 fl oz/A	<b>clopyralid</b>	0.047 to 0.188 lb/A	30/15	12
<p><b>-Labeled for mustard greens and turnip greens.</b> Spray additives are not needed or required by the label, and are not recommended                      -Stinger controls composite and legume weeds including galinsoga, ragweed species, common cocklebur, groundsel, pineappleweed, clover, and vetch. Perennials controlled include Canada thistle, goldenrod species, aster species, and mugwort (wild chrysanthemum).</p>						

2. Postemergence, Stinger continued on next page

**2. Postemergence, Stinger- continued**

-Stinger is very effective on small seedling annual and emerging perennial weeds less than 2-4 inches tall, but is less effective and takes longer to work when weeds are larger. Use 2.0 to 4.0 fl oz/A to control annual weeds less than 2 inches tall. Increase the rate to 4.0 to 8.0 fl oz/A to control larger annual weeds. Apply the maximum rate of 8.0 fl oz/A to suppress or control perennial weeds.

-Observe follow crop restrictions or injury may occur from herbicide carryover.

-Rainfastness is 6 hrs. **Do not** harvest mustard greens within 30 days of harvest or turnip greens within 15 days of harvest.

-Maximum Stinger application per year: 8.0 fl oz/A; maximum number of applications: 1 for turnip greens, 2 for mustard greens.

**3. Postharvest**

Group	Product Name	Product Rate	Active Ingredient (*=Restricted Use)	Active Ingredient Rate	PHI (d)	REI (h)
22	Gramoxone SL 2.0	2.25 to 3 pt/A	paraquat*	0.56 to 0.75 lb/A	--	24

-A Special Local-Needs 24© label has been approved for the use of Gramoxone SL 2.0 for postharvest crop desiccation in DE, NJ and VA. Apply after the last harvest. Always include an adjuvant. Spray coverage is essential for optimum effectiveness. See the label for additional information and warnings. Rainfastness 30 minutes. A maximum of 2 applications for crop desiccation are allowed.

**Insect Control**

**THE LABEL IS THE LAW - See the Pesticide Use Disclaimer on page F 1.**

**Recommended Insecticides****Aphids**

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
1B	Dimethoate 400	0.5 pt/A	dimethoate*	14	48	H
1B	Malathion 57EC <sup>1</sup>	1.0 to 1.6 pt/A <sup>1</sup>	malathion	7	12	H
3A + 4A	Leverage 360	3.0 fl oz/A	imidacloprid + beta-cyfluthrin*	7	12	H
4A	Actara	1.5 to 3.0 oz/A	thiamethoxam - <b>mustard greens only</b>	7	12	H
4A	Admire Pro	4.4 to 10.5 fl oz/A	imidacloprid - <b>soil</b>	21	12	H
4A	Admire Pro	1.2 fl fl oz/A	imidacloprid - <b>foliar</b>	7	12	H
4A	Assail 30SG	2 to 5.3 fl oz/A	acetamiprid	3	12	H
4A	Belay	9 to 12 fl oz/A	clothianidin – <b>soil, mustard greens only</b>	21	12	H
4A	Belay	3 to 4 fl oz/A	clothianidin - <b>foliar, mustard greens only</b>	7	12	H
4A	Platinum 75SG	5.0 to 11.0 oz/A	thiamethoxam - <b>mustard greens only</b>	30	12	H
4C	Closer SC	1.5 to 2 fl oz/A	sulfoxaflor - <b>mustard and turnip greens</b>	3/7	12	H
9B	Fulfill 50WDG	2.75 oz/A	pymetrozine	7	12	N
9C	Beleaf 50SG	2.0 to 2.8 fl oz/A	flonicamid	0	12	L

<sup>1</sup>Maximum of 3 applications per season at the 1.6 pt/A rate.

**Caterpillar “Worms” Pests Including: Beet Armyworms (BAW), Cabbage Loopers (CL), Diamondback Moths (DBM), and Imported Cabbageworms (ICW)**

Due to resistance development, pyrethroid insecticides are not recommended for control of DBM or BAW. Other insecticides may no longer be effective in certain areas due to DBM resistance; consult your county Extension. Rotation of insecticides with different modes of action is recommended to reduce the development of resistance.

Apply one of the following formulations (Not all materials are labeled for all crops, insects or application methods, check labels).						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
1A	Lannate LV	1.5 to 3.0 pt/A	methomyl*	10	48	H
3A	Baythroid XL (CL, ICW)	1.6 to 2.4 fl oz/A	beta-cyfluthrin*	0	12	H
3A	Tombstone (CL, ICW)	1.6 to 2.4 fl oz/A	cyfluthrin*	0	12	H
5	Entrust SC (OMRI)	1.5 to 6.0 fl oz/A	spinosad	1	4	M
5	Radiant SC	5.0 to 10.0 oz/A	spinetoram	1	4	H
6	Proclaim 5 SG	2.4 to 4.8 fl oz/A	emamectin benzoate*	14	12	H
11A	Dipel (OMRI)	0.25 to 1 lb/A	<i>Bacillus thuringiensis kurstaki</i>	0	4	N
18A	Intrepid 2F	4 to 8 fl oz/A early season; 8 to 10 oz/A late season	methoxyfenozide	1	4	N

Caterpillar “Worms” continued on next page

## F Greens (Mustard and Turnip)

### Caterpillar "Worms" - continued

22A	Avaunt	2.5 to 3.5 fl oz/A	indoxacarb	3	12	H
28	Coragen	3.5 to 7.5 fl oz/A	chlorantraniliprole - <b>mustard and turnip greens</b>	3/1	4	L
28	Exirel	7 to 13.5 fl oz/A; 10 to 17 fl oz A for CL	cyantraniliprole	1	12	H
28	Verimark	5 to 10 fl oz/A	cyantraniliprole	NA	4	H

## Flea Beetles

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
1B	Sevin XLR Plus	0.5 to 1 qt/A	carbaryl	14	12	H
3A	Baythroid XL	2.4 to 3.2 fl oz/A	beta-cyfluthrin*	0	12	H
3A	Tombstone	2.4 to 3.2 fl oz/A	cyfluthrin*	0	12	H
3A + 4A	Leverage 360	3.0 fl oz/A	imidacloprid+beta-cyfluthrin*	7	12	H
4A	Actara	1.5 to 3.0 oz/A	thiamethoxam - <b>mustard greens only</b>	7	12	H
4A	Admire Pro	1.3 fl oz/A	Imidacloprid - <b>foliar</b>	7	12	H
4A	Belay	9 to 12 fl oz/A	clothianidin - <b>soil, mustard greens only</b>	21	12	H
4A	Belay	3 to 4 fl oz/A	clothianidin - <b>foliar, mustard greens only</b>	7	12	H
4A	Platinum	5.0 to 11.0 fl oz/A	thiamethoxam	30	12	H

## Hawaiian Beet Webworms

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
5	Radiant SC	7.0 to 10.0 oz/A	spinetoram	1	4	H
28	Coragen	3.5 to 7.5 fl oz/A	chlorantraniliprole - <b>mustard greens only</b>	3	1	L

## Leafhoppers

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
1B	Dimethoate 400	0.5 pt/A	dimethoate*	14	48	H
1B	Sevin XLR Plus	0.5 to 1 qt/A	carbaryl	14	12	H
3A	Baythroid XL	0.8 to 1.6 fl oz/A	beta-cyfluthrin*	0	12	H
3A	Tombstone	0.8 to 1.6 fl oz/A	cyfluthrin*	0	12	H
3A + 4A	Leverage 360	3.0 fl oz/A	imidacloprid + beta-cyfluthrin*	7	12	H
4A	Admire Pro	4.4 to 10.5 fl oz/A	imidacloprid - <b>soil, mustard greens only</b>	21	12	H
4A	Admire Pro	1.3 fl oz/A	imidacloprid - <b>foliar, mustard greens only</b>	7	12	H
4A	Belay	9 to 12 fl oz/A	clothianidin - <b>soil, mustard greens only</b>	21	12	H
4A	Belay	3 to 4 fl oz/A	clothianidin - <b>foliar, mustard greens only</b>	7	12	H

## Leafminers

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
1B	Dimethoate 400	0.5 pt/A	dimethoate*	14	48	H
5	Entrust SC (OMRI)	4.0 to 10.0 fl oz/A	spinosad - <b>mustard and turnip greens only</b>	1	4	M
17	Trigard	2.66 oz/A	cyromazine - <b>mustard and turnip greens only</b>	7	12	H

## Thrips

Apply one of the following formulations:						
Group	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use) and Crop Restrictions	PHI (d)	REI (h)	Bee TR
3A + 4A	Leverage 360 (controls foliage feeding thrips only)	3.0 fl oz/A	imidacloprid + beta-cyfluthrin	7	12	H
4A	Actara	3.0 to 5.5 oz/A	thiamethoxam	7	12	H
4A	Platinum	5.0 to 11.0 fl oz/A	thiamethoxam	30	12	H
5	Entrust SC (OMRI)	4.0 to 10.0 fl oz/A	spinosad - <b>mustard and turnip greens only</b>	1	4	M
5	Radiant SC	6.0 to 10.0 fl oz/A	spinetoram	1	4	H

## Disease Control

**THE LABEL IS THE LAW - See the Pesticide Use Disclaimer on page F 1.**  
**Recommended Fungicides**

### Damping-Off caused by *Phytophthora*, *Pythium* and *Rhizoctonia*

Code	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use)	PHI (d)	REI (h)	Bee TR
<b>Apply one of the following at seeding (see label for application methods and restrictions):</b>						
<b>Pythium root rot</b>						
4	Ridomil Gold 4SL	0.5 to 1.0 pt/A	mefenoxam	AP	48	N
<b>Pythium and Rhizoctonia root rot</b>						
4 + 11	Uniform 3.66SE	0.34 fl oz/1000 ft row. Avoid direct seed contact, which may cause delayed emergence.	mefenoxam + azoxystrobin	AP	0	N
<b>Rhizoctonia root rot</b>						
11	azoxystrobin 2.08F	0.40 to 0.80 fl oz/1000 ft row	azoxystrobin	AP	4	N

### Downy Mildew

The pathogen has a wide host range including broccoli, brussels sprouts, cauliflower, cabbage, kale, chinese cabbage, chinese broccoli, chinese mustard, radish, etc. and related weeds in the brassica family. Plant certified seed since the pathogen can be seed-borne. Use hot water seed treatment (See Cole Crops, Disease Control section). Avoid overhead watering in the morning when spores are released.

Code	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use)	PHI (d)	REI (h)	Bee TR
<b>Scout regularly. Rotate the following fungicides with different modes of action during periods of high moisture and moderate temperatures and continue as long as weather conditions favor disease development:</b>						
11	azoxystrobin 2.08F	6.0 to 15.5 fl oz/A	azoxystrobin	0	4	N
11	Cabrio 20EG	8.0 to 16.0 oz/A	pyraclostrobin	0	12	N
21	Ranman 3.33SC	2.75 fl oz/A	cyazofamid	0	12	L
33	Aliette 80WDG (for mustard greens only)	3.0 lb/A	fosetyl-Al	3	12/24	N
40	Forum 4.18SC/A plus fixed copper	6.0 fl oz	dimethomorph	0	12	N
40	Revus 2.08SC	8.0 fl oz/A	mandipropamid	1	4	--
40 + 45	Zampro 4.38SC	14.0 fl oz/A	ametoctradin + dimethomorph	0	12	--
43	Presidio 4SC	4.0 fl oz/A	fluopicolide	2	12	L

### Leaf Spots caused by *Alternaria* or *Cercospora* spp.

The fungal pathogens that cause leaf spot overwinter in the soil. Rotate away from fields for as long as possible.

Code	Product Name	Product Rate	Active Ingredient(s) (*=Restricted Use)	PHI (d)	REI (h)	Bee TR
M1	Copper (OMRI) <sup>1</sup>	At labeled rates	copper	0		N
<b>When conditions favor disease development, apply one of the following fungicides every 7 to 10 days for as long as conditions are favorable for disease development. Rotate between fungicides with different mode of actions:</b>						
3	Folicur 3.6F	3.0 to 4.0 fl oz/A	tebuconazole	7	12	N
3 + 9	Inspire Super 2.82SC	16.0 to 20.0 fl oz/A	difenoconazole + cyprodinil	7	12	--
3 + 11	Quadris Top 2.72SC	12.0 to 14.0 fl oz/A	difenoconazole + azoxystrobin	1	12	--
7	Endura 70WG	14.0 oz/A	boscalid	0	12	--
7	Fontelis 1.67SC	14.0 to 30.0 fl oz/A	penthiopyrad	0	12	L
7 + 11	Priaxor 4.17SC	6.0 to 8.2 fl oz/A	fluxapyroxad + pyraclostrobin	3	12	N
9 + 12	Switch 62.5WG	11.0 to 14.0 oz/A	cyprodinil + fludioxonil	7	12	N
11	azoxystrobin 2.08F	6.0 to 15.5 fl oz/A	azoxystrobin	0	4	N
11	Cabrio 20EG	8.0 to 16.0 oz/A	pyraclostrobin	0	12	N

<sup>1</sup>There are a number of copper based products with OMRI labels. See labels for specifics. Copper applications may help suppress some fungal pathogens in organic production systems.

**For Immediate Medical Attention**

**Call 911**

**For a Pesticide Exposure Poisoning  
Emergency Call**



**For All States**

This number will automatically connect you to the poison center nearest you.

**Anyone with a poisoning emergency can call the toll-free telephone number for help.** Personnel at the Center will give you first-aid information and direct you to local treatment centers if necessary.

### **For Pesticide Spills**

**Small Spills:** See the product label for cleanup advice.

**Large spills:** Call the National Response Center at 1-800-424-8802 or CHEMTREC at 800-424-9300 (24 hours) - Industry assistance with emergency response cleanup procedures for large, dangerous spills.

**Be aware of your responsibility to report spills to the proper state agency.**