

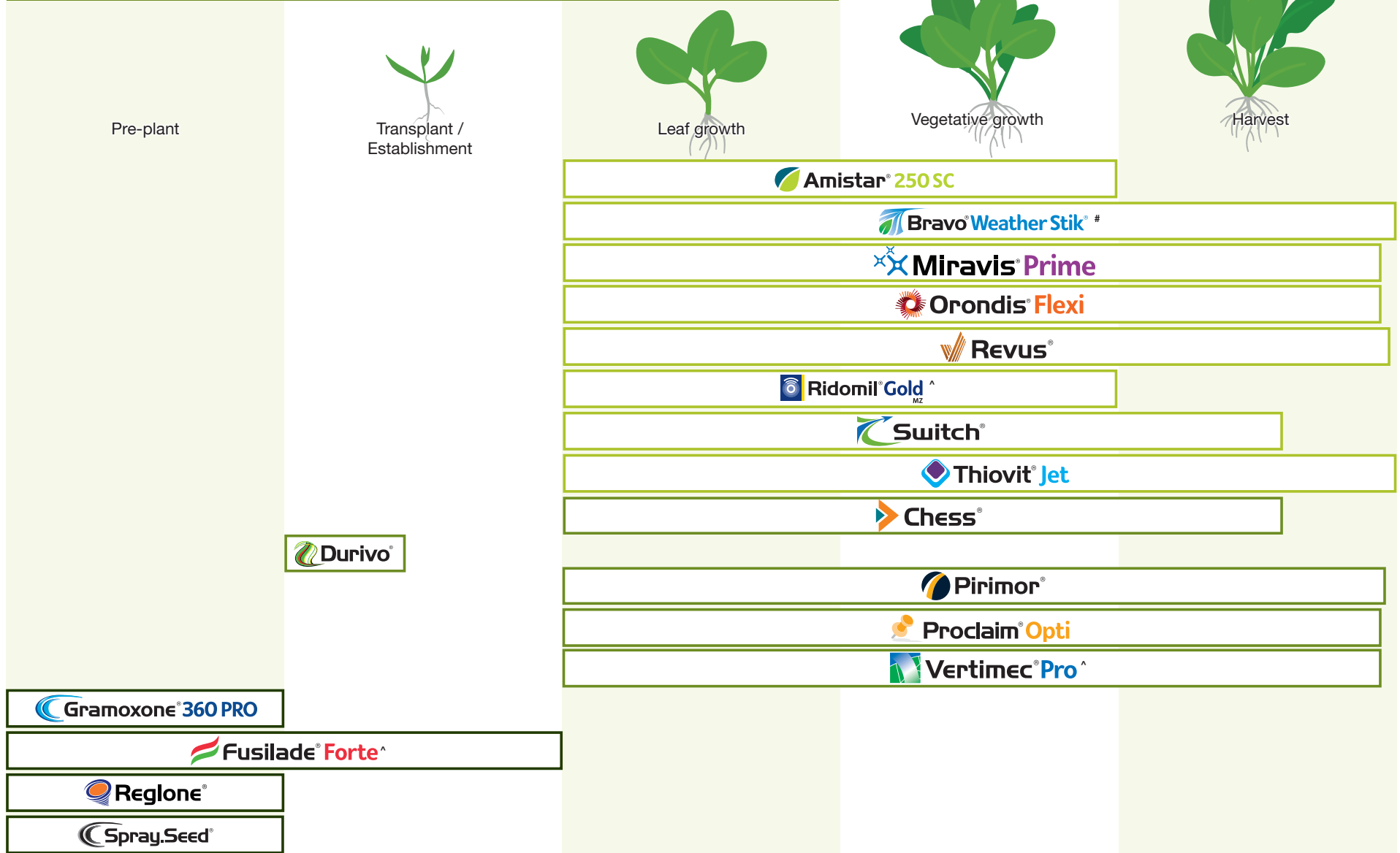


# LEAFY VEGETABLES PROGRAM

syngenta®

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# SYNGENTA LEAFY VEGETABLES AND LETTUCE PROGRAM



■ Fungicide   
 ■ Insecticide   
 ■ Herbicide   
 # Endive only   
 ^ Lettuce only

## SYNGENTA LEAFY VEGETABLES AND LETTUCE FUNGICIDES

### **Amistar® 250 SC**

**Brassica leafy vegetables: Alternaria leaf spot, White blister rust, Sclerotinia rot**

**Lettuce: Bottom rot, suppression of Sclerotinia rot**

- Provides wide disease control spectrum for peace of mind
- Superior rainfastness providing protectant shield from fungal disease
- Proven performance to control disease for maximum yield and quality potential

### **Orondis® Flexi**

**Leafy vegetables and lettuce: Downy mildew spp.**

**Suppression: Alternaria leaf spot, Sclerotinia rot**

- Innovative mode of action oxathiapiprolin combined with the proven performance of azoxystrobin
- Systemic and translaminar activity provides protection of new and existing growth
- Persistence in the plant prevents infection by downy mildew and other key diseases

### **Bravo® Weather Stik®**

**Endive only: Botrytis grey mould**

- Targeted non-systemic protectant fungicide
- Advanced formulation for superior persistence in all weather conditions for extra protection
- Unique surfactant technology for optimum rainfastness even after heavy rain or irrigation

### **Miravis® Prime**

**Sclerotinia and botrytis**

- Delivers powerful control of difficult diseases sclerotinia and botrytis
- Combines two modes of action to mitigate the risk of fungicide resistance
- Long lasting activity against multiple stages of fungal development

**AMISTAR 250SC** Apply at 7-14 day intervals soon after transplanting and ensure thorough plant coverage. Use the shorter interval when humid weather conditions favour disease or where there is rapid vegetative growth. For Brassica leafy vegetable crops, add a non-ionic surfactant such as AGRAL to the spray mix to assist disease control. For bottom rot control, apply one application only as an in-furrow treatment or plug hole drench at transplanting.

**BRAVO WEATHERSTIK** Use on endive crops only. Apply at 7-10 day intervals, use the higher label rate if disease pressure is high.

**MIRAVIS PRIME** should be applied soon after transplanting before disease occurs. Apply in sufficient water volume to achieve thorough coverage of the outer leaves.

**ORONDIS FLEXI** should be applied preventatively before disease symptoms appear and repeat at 7-14 day intervals. For crops with waxy leaves, add a non-ionic surfactant such as AGRAL to the spray mix to assist disease control.

## SYNGENTA LEAFY VEGETABLES AND LETTUCE FUNGICIDES



### Downy mildew

- Powerful protectant chemistry
- Reliability of complete rainfastness
- Long lasting protection even after adverse weather conditions



### Lettuce only: Anthracnose, Downy mildew, Septoria leaf spot

- Combination of Mancozeb + Metalaxyl-M for protective and curative action
- Water dispersible granule for ease of mixing
- Outstanding preventative activity for key lettuce diseases



### Leafy vegetables: Sclerotinia rot

#### Lettuce: Sclerotinia rot, Botrytis grey mould

- Two actives with protectant and systemic activity for long lasting disease protection
- Inhibits fungal development at four stages of the disease cycle
- Used preventatively, gives optimum protection for difficult to control diseases



### Leafy vegetables and lettuce:

#### Powdery mildew, mites

- High quality, low dust microgranule sulphur for ease of mixing
- Excellent water dispersion for excellent spread and coverage
- Optimum particle size for crop safety and residual disease control

**REVUS** Apply two consecutive applications at 7-10 day intervals prior to the first signs of disease. Use shorter interval when conditions are conducive for disease or where there is rapid vegetative growth. In cultivars with waxier-type leaves, the addition of AGRAL or other suitable non-ionic surfactant will assist efficacy.

**RIDOMIL GOLD MZ** Use on lettuce crops only. Apply when conditions favour disease at 7-10 day intervals before disease symptoms appear. DO NOT apply as a post-infection curative spray. Add a non-ionic surfactant such as AGRAL to the spray mix to assist disease control.

**SWITCH** Apply preventatively prior to the onset of disease, commencing soon after transplanting. Use at 7-14 day intervals, using the shorter spray intervals under high disease pressure or where conditions are conducive for disease.

**THIOVIT JET** Apply when pest or disease is first observed. DO NOT apply in hot conditions.

## SYNGENTA LEAFY VEGETABLES AND LETTUCE INSECTICIDES



**Leafy vegetables: Potato aphid, melon aphid, green peach aphid**

**Lettuce: Brown sowthistle aphid, green peach aphid, currant lettuce aphid. Suppression of silverleaf whitefly**

- Exhibits excellent translaminar and locally systemic activity
- Effective on insect pests that shelter and feed on the underside of the leaf
- Within 1 hour, treated insects stop feeding



**Leafy vegetables: Diamondback moth, cabbage white butterfly, *Helicoverpa* spp., cluster caterpillar, loopers**

**Lettuce: *Helicoverpa* spp., cluster caterpillar**

- Translaminar movement delivers residual control for up to 14 days
- Group 6 acts as a resistance breaker controlling larvae no longer susceptible to other chemistry
- Suitable for use in Integrated Pest Management programs



**Leafy vegetables and lettuce: *Helicoverpa armigera*, *Helicoverpa punctigera*, cluster caterpillar, looper, lettuce aphid, green peach aphid, brown sowthistle aphid, silverleaf whitefly, western flower thrips, vegetable leafhopper, lucerne leafroller**

- Protects seedlings from a wide range of chewing and sucking pests
- Taken up by the roots and translocated through the xylem protecting seedlings for up to 40 days
- Improves crop establishment, uniformity, harvesting efficiency and marketable yields



**Lettuce: Two-spotted mites**

- A selective miticide, with activity on all feeding stages
- Stops mite feeding within 2 – 4 hours
- Translaminar movement locks the active inside the plant, extending the length of residual control
- Compatible with Integrated Pest Management programs



**Leafy vegetables and lettuce: Aphids**

- Unique 3-way action provides fast action and rapid knockdown against aphids (contact, translaminar and fumigant activity)
- Provides residual control of aphids for up to two weeks
- Suitable for use in Integrated Pest Management programs

## SYNGENTA LEAFY VEGETABLES AND LETTUCE INSECTICIDES

**CHESS** should be applied when local pest thresholds are reached and before target populations reach high levels. Minimum retreatments intervals is 7 days. Add a non-ionic surfactant to assist pest control. DO NOT apply when whitefly populations predominantly consist of eggs, pupae or sessile nymphs unless mixed with another insecticide that has activity against these lifecycle stages. CHESS does not have direct activity on immobile stages of the whitefly lifecycle.

**DURIVO** should be applied to the seedling tray prior to transplanting as a drench through dedicated nursery spray equipment such as a calibrated hydraulic boom, OR via planting hole drench with water directly at the base of transplanted seedlings or into the planting hole immediately before transplanting.

**PIRIMOR** should be applied every 10 to 14 days commencing 1 weeks after transplanting. Add a non-ionic surfactant, such as AGRAL, to assist pest control. Use the higher label rate if temperature falls below 20°C.

**PROCLAIM OPTI** should be applied at first signs of insect infestations when local pest thresholds and before target pest populations reach high levels. For best results, apply just prior to or just after egg hatch when larvae are small. DO NOT target large larvae. Use the higher label rate during periods of heavy insect pressure, under very hot and sunny conditions or where a longer period of control is desired.

**VERTIMEC PRO** Apply sufficient volume for even coverage and adequate spray penetration of plants. Use the higher rate for high pest pressure.

### INSECTICIDE RESISTANCE MANAGEMENT

Resistance develops when insecticides from one chemical group are overused or misused (e.g. applied at a rate lower than on the label). To prevent resistance from developing growers should follow the product label, check the CropLife Australia website ([www.croplife.org.au](http://www.croplife.org.au)) and where appropriate consult with local experts to determine if a resistance management strategy exists. To help manage resistance, insecticides are grouped according to similarity of Mode of Action (MoA), making it relatively easy to quickly identify which products have a similar MoA. In its simplest form, rotating the Mode of Action is an effective approach to resistance management.

### INTEGRATED PEST MANAGEMENT (IPM)

Integrated Pest Management is a strategy that encourages the reduction of insecticide use by implementing a range of options including; biological control, cultural control, varietal selections and chemical control. By using a combination of these options, the aim is to cost effectively produce high quality marketable produce. An understanding of pest and beneficial insect dynamics, and how to monitor them, is essential for successful IPM. Where appropriate, growers should encourage naturally occurring beneficial insects and / or consider releasing mass reared beneficial organisms to manage the pest population. If the use of an insecticide is required, selective insecticides are preferred because they potentially have a lower impact on beneficial organisms.

## SYNGENTA LEAFY VEGETABLES AND LETTUCE HERBICIDES

### **Fusilade<sup>®</sup> Forte**

#### Annual and perennial grasses

- Selective to grasses
- Rapidly absorbed and translocated through actively growing leaves
- Reliable control of couch grass

### **Spray.Seed<sup>®</sup>**

#### Annual grasses and broadleaf weeds

- Broad spectrum non-selective contact herbicide
- Unrivalled speed of desiccation for fast knockdown
- Rainfast in 30 minutes for flexibility of use

### **Gramoxone<sup>®</sup> 360 PRO**

#### Annual grasses and some broadleaf weeds

- Rapid, non-selective contact herbicide
- Advanced formulation with highest load paraquat product on the market means less product required
- Adjuvant-free allows tailoring of adjuvant to the situation

### **Reglone<sup>®</sup>**

#### Broadleaf weeds

- Effective contact-type herbicide where broadleaf weeds dominate, particularly capeweed in non-crop areas
- Fast, complete knockdown activity
- Rainfast in 30 minutes for flexibility of application

**FUSILADE FORTE** should not be applied to weeds in early stages of crop growth (before 5 true leaf stage). Apply to actively growing grass weeds when at the 3 to 5 leaf stage.

**GRAMOXONE 360 PRO** should be applied prior to planting no less than 3 days before sowing or transplanting the crop. DO NOT apply to waterlogged, dusty or stressed weeds.

**REGLONE** should be applied as a blanket spray to weeds prior to crop emergence or transplanting. If crops present, only apply as a shielded spray between crop rows. DO NOT allow spray to contact any part of the crop.

**SPRAY.SEED** should be applied directly onto weeds. Prepare seed bed to allow weed germination and spray weeds when actively growing. DO NOT spray at least 3 days prior to crop sowing or transplanting.

To ensure effective herbicide efficacy, weeds should not be sprayed when under stress, covered with dust or soil or waterlogged. DO NOT allow spray to contact any part of the crop.

## SYNGENTA LEAFY VEGETABLES AND LETTUCE PRODUCT INFORMATION

Product	Active Ingredient	Group	Withholding period	Rainfast period	Re-entry period	Max. no sprays
AMISTAR 250SC	Azoxystrobin	11	7 days (Brassica leafy veg)	When dry	When dry	2
			14 days (lettuce)			3
BRAVO WEATHERSTIK#	Chlorothalonil	M5	1 day (endive)	When dry	When dry	-
MIRAVIS PRIME	Pydiflumetofen + Fludioxonil	7 + 12	3 days	1 hour	When dry	2
ORONDIS FLEXI	Azoxystrobin + Oxathiapiprolin	11 + 49	3 days	1 hour	When dry	3
REVUS	Mandipropamid	40	1 day	When dry	When dry	4
RIDOMIL GOLD MZ^	Metalaxyl-M + Mancozeb	4 + M3	14 days (lettuce)	6 hours	When dry	2
SWITCH	Cyprodinil + Fludioxonil	9 + 12	7 days	1 hour	When dry	2
THIOVIT JET	Sulphur	M2	Not required when used as directed	2 hours	When dry	-
CHESS	Pymetrozine	9B	3 days	When dry	When dry	-
DURIVO	Thiamethoxam + Chlorantranilprole	4A + 28	28 days	N/A	When dry	1
PIRIMOR	Pirimicarb	1A	2 days	2 hours	When dry	2†
PROCLAIM OPTI	Emamectin	6	3 days	2 hours	When dry	4
VERTIMEC PRO^	Abamectin	6	3 days	When dry	When dry	1
FUSILADE FORTE^	Fluazifop-p-butyl	1 (A)	28 days (lettuce)	1 hour	When dry	-
GRAMOXONE 360 PRO	Paraquat	22 (L)	Not required when used as directed	30 minutes	When dry	-
REGLONE	Diquat	22 (L)	Not required when used as directed/ DO NOT graze for 1 day	30 minutes	When dry	-
SPRAY.SEED	Paraquat + Diquat	22 (L)	Not required when used as directed	30 minutes	When dry	-

Consult the product label for directions of use and check the CropLife Australia website (<http://www.croplife.org.au>) to comply with a resistance management strategy.

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**FOR MORE INFORMATION VISIT  
WWW.SYNGENTA.COM.AU OR CALL 1800 067 108**

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