

# Approved Pesticides for Use on Vegetable Crops 2019







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# **APPROVED PESTICIDES**

**for use on**

# **VEGETABLE CROPS**

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EDITOR

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KINSEALY CENTRE

DUBLIN 17

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## Introduction

This is the eighteenth edition of *Approved Pesticides for use on Vegetable Crops*, which was first published in 1998. The following abbreviations have been used: HI – Harvest Interval, Max No – maximum number of sprays allowed, OLA – off-label approval, EUA – Emergency Use Authorisation, DR – deregistered.

Off-labels are included, brief details of which are included in the Appendix of this publication, listed in alphabetical order. Changes made since the last edition are listed at the end of the book along with a commentary highlighting the main points.

This publication is intended to provide growers with a quick reference to the commonly available approved pesticides, which can be used on vegetable crops. **Not all generic products are mentioned.** The term pesticide includes fungicides, insecticides, herbicides and molluscicides (slug pellets).

The Pesticide Control Service (PCS) of the Department of Agriculture has divided into two divisions – the Pesticide Registration Division (PRD) and the Pesticide Control Division (PCD). The PCD is responsible for implementing pesticide legislation and publish an annual list of authorised pesticides, the most recent being *Products Book 2019*. This can be downloaded from the Department's website, [www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie), where you will also find a searchable database.

Once a pesticide is cleared for use the onus is on the grower to use that product responsibly. The instructions for the correct use of a pesticide are on the product label, which is a legally binding document that should be read carefully. By law, a grower can use a pesticide on a crop only if its use is specified on the label. The label also provides a precise summary of precautions to be taken in relation to how a pesticide is handled, applied and stored. There is now a listing of labels on the PCS website.

Take note that in addition to on-label uses there are many off-label applications (Extension of Field of Use). Growers must be in possession of the relevant Extension document before use. Current off-labels are listed on the PCS website and available for download.

Growers need to be aware that off-label uses are applied at their own risk and that the application rates quoted need to be tested for crop safety purposes on a small area first. Proceed with caution in using off-label recommendations on your crops, **as damage may occur**. Always consult with your crop adviser before use.

To ensure compliance with the regulations and to reassure consumers that the food they eat is safe, the Department regularly test for pesticide residues on a range of foodstuffs, including vegetables. Samples are taken at wholesale level and if a residue is detected it must not exceed the Maximum Residue Level (MRL). MRL's have been established for all pesticides and represent the maximum residue that should arise in food when pesticides are correctly used.

Every effort has been made to ensure that the details in this book are correct. However the definitive source of information on pesticides is the PCS and if you have any doubts about the contents of a product label telephone 01-615 7552.

## BRUSSELS SPROUTS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.4	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.3	03799	BASF
	chlorothalonil	Bravo 500 (OLA) Jupital (OLA)	2 L	3	2 wk	3.0	03452	Syngenta
			2 L	3	2 wk		04503	Syngenta
	difenoconazole	Difcor 250 EC Score 250 EC	0.3 L	2	3 wk	0.4	04983	DHM
			0.5 L	2	3 wk		04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup> Nativo 75 WG	0.4 kg	3	3 wk	0.7 / 0.6	DR	Bayer	
		0.4 kg	3	3 wk		04642	Bayer	
Downy mildew	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	0.2 / 2.0	04309	Bayer
Light leaf spot	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	0.4 kg	3	3 wk	04642	Bayer			
Ring spot	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.4	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.3	03799	BASF
	chlorothalonil	Bravo 500 (OLA)	2 L	3	2 wk	3.0	03452	Syngenta



## BRUSSELS SPROUTS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Ring spot	chlorothalonil	Jupital (OLA)	2 L	3	2 wk	3.0	04503	Syngenta
	difenoconazole	Difcor 250 EC	0.3 L	2	3 wk	0.4	04983	DHM
		Score 250 EC	0.5 L	2	3 wk		04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup>		0.4 kg	3	3 wk	0.7 / 0.6	DR	Bayer
			0.4 kg	3	3 wk		04642	Bayer
White blister	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.4	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.3	03799	BASF
	chlorothalonil + metalaxyl-M	Folio Gold	2 L	3	2 wk	3.0 / 0.15	02363	Syngenta
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup>		0.4 kg	3	3 wk	0.7 / 0.6	DR
			0.4 kg	3	3 wk	04642		Bayer
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 2.0	04041	Whelehan
	propamocarb	Proplant	5 ml / m <sup>2</sup>	1		2.0	03994	Unichem
<b>Pests</b>	As for cabbage							
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L			0.01	05357	Whelehan

## BRUSSELS SPROUTS

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	clopyralid	Beetshield <sup>3</sup>	1 L	3 L		0.5	DR	DHM
		Cliophar 100	1 L	3 L	04899		Croplink	
	clopyralid	Dow Shield 100	1 L	3 L		0.5	03861	Whelehan
	dimethenamid-p + pendimethalin	Wing P (OLA)	4 L	1		0.01 / 0.05	03590	BASF
	metazachlor <sup>4</sup>	Butisan S	1.5 L	1		0.06	04631	BASF
	napropamide	Devrinol	2.8 L			0.1	05234	Whelehan
	pendimethalin	Anthem Stomp Aqua	3.3 L	1		0.05	04761	Adama
			2.9 L	1	03750		BASF	
pyridate	Lentagran WP Lentagran WP	2 kg	1		0.05	03082	Whelehan	
		2 kg	1	05582		Whelehan		
s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta	
Grasses	clethodim	Centurion Max (OLA)	2 L	1	4 wk	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1	6 wk	6.0	04936	BASF

### NOTES

1. Amistar (PCS 01351) is no longer registered and all remaining stocks must be used by 30 September 2019.
2. Nativo 75 WG (PCS 03226) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Beetshield (PCS 04632) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field.

## CABBAGE

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.3	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.2	03799	BASF
	difenoconazole	Difcor 250 EC Score 250 EC	0.3 L	2	3 wk	0.3	04983	DHM
			0.5 L	2	3 wk		04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.09	04665	Bayer
	tebuconazole	Fezan <sup>2</sup> Riza <sup>2</sup>	0.5-1 L	2.25 L	3 wk	0.7	DR	Unichem
0.5 L			2.25 L	3 wk	DR		Headland	
tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup> Nativo 75 WG	0.4 kg	3	3 wk	0.7 / 0.5	DR	Bayer	
		0.4 kg	2	3 wk		04642	Bayer	
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	8 L	6	0 d	-	03847	NAD
Downy mildew	fluopicolide + propamocarb	Infinito (OLA) <sup>16</sup>	1.6 L	1	2 wk	0.2 / 0.7	04309	Bayer
Ring spot	azoxystrobin	Amistar	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.3	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.2	03799	BASF
	difenoconazole	Difcor 250 EC	0.3 L	2	3 wk	0.3	04983	DHM

## CABBAGE

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Ring spot	difenoconazole	Score 250 EC	0.5 L	2	3 wk	0.3	04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.09	04665	Bayer
	tebuconazole	Fezan <sup>2</sup> Riza <sup>2</sup>	0.5-1 L 0.5 L	2.25 L 2.25 L	3 wk 3 wk	0.7	DR DR	Unichem Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup> Nativo 75 WG	0.4 kg 0.4 kg	3 2	3 wk 3 wk	0.7 / 0.5	DR 04642	Bayer Bayer
White blister	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	3 wk	5.0 / 0.3	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.2	03799	BASF
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	1.5 kg	3	2 wk	3.0 / 0.06	01516	Syngenta
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup> Nativo 75 WG	0.4 kg 0.4 kg	3 2	3 wk 3 wk	0.7 / 0.5	DR 04642	Bayer Bayer
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 0.7	04041	Whelehan
<b>Pests</b>								
Aphid	deltamethrin	Deca (not for broccoli) <sup>4</sup>	300 ml	2 3	1 wk	0.1	04952	Sharda
		Decis (not for broccoli) <sup>4</sup>	300 ml	2	1 wk		02693	Bayer
	esfenvalerate	Sumi-Alpha (OLA) <sup>5</sup>	165 ml	2	1 wk	Varies	02334	BASF
	pymetrozine	Plenum WG <sup>6,14</sup>	0.4 kg	3	2 wk	Varies	DR	Syngenta

## CABBAGE

Pests	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Aphid	pyrethrins	Pyrethrum 5 EC <sup>15</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento <sup>7, 13</sup>	0.5 L	2	3 d	Varies	DR	Bayer
			0.5 L	2	3 d	Varies	05349	Bayer
	sulfoxaflor	Closer (not for cauliflower) <sup>8</sup>	200 ml	1	1 wk	Varies	05341	Dow
thiacloprid	Biscaya	0.4 L	2	1 wk	0.3	03602	Bayer	
Cabbage root fly	cyantraniliprole	Verimark 20SC	600 ml 15 ml / 1000	1		2.0	05356	DuPont
	garlic	ECOguard Granules	16 kg	3	1 wk	-	92304	NAD
		ECOguard Liquid	4% solution	1			92305	NAD
	metarhizium	Met 52 Granular (OLA)	0.5 kg/m <sup>3</sup>			-	04811	NAD
spinosad	Tracer	12 ml / 1000 plants	1		2.0	02649	Whelehan	
Caterpillar	Bacillus thuringiensis	Lepinox Plus (not for cauliflower)	1 kg	3		-	05254	NAD
	chlorantraniliprole <sup>9</sup>	Coragen (not for sprouts)	125 ml	2	1 d	Varies	05295	DuPont
	cyantraniliprole	Benevia 10 OD	0.4-0.5 L	2	1 wk	2.0	05354	DuPont
	deltamethrin	Deca (not for broccoli) <sup>4</sup>	300 ml	2	1 wk	0.1	04952	Sharda
				3				
		Decis (not for broccoli) <sup>4</sup>	300 ml	2	1 wk	0.1	02693	Bayer
		Decis Protech <sup>4</sup>	500 ml	2/3	1 wk		05269	Bayer
		Decis Protech (OLA) (off-label for broccoli)	500 ml	2	1 wk		05269	Bayer

## CABBAGE

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Caterpillar	esfenvalerate	Sumi-Alpha (OLA) <sup>5</sup>	165 ml	2	1 wk	Varies	02334	BASF
	indoxacarb	Steward <sup>10</sup>	85 g	3	1 d	Varies	02603	DuPont
	lambda-cyhalothrin <sup>11</sup>	Karate Zeon	50 ml	4		Varies	04084	Syngenta
		Karis 10 CS	100 ml	4			04454	GAT
		Sparviero	100 ml	4			04469	Unichem
pyrethrins	Pyrethrum 5 EC <sup>15</sup>	20 ml in 100 L		1 d	1.0	DR	NAD	
	spinosad	Tracer	200 ml	4	3 d	2.0	02649	Whelehan
Flea beetle	deltamethrin	Deca (not for broccoli) <sup>4</sup>	300 ml	2 3	1 wk	0.1	04952	Sharda
		Decis (not for broccoli) <sup>4</sup>	300 ml	2 3	1 wk	0.1	02693	Bayer
	pyrethrins	Pyrethrum 5 EC <sup>15</sup>	20 ml in 100 L		1 d	1.0	DR	NAD
Pollen beetle	pymetrozine	Plenum WG <sup>6,14</sup>	0.4 kg	3	2 wk	Varies	DR	Syngenta
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.4		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L			0.01	05357	Whelehan
	cloprialid	Cliophar 100	1 L	3 L	6 wk		04899	Croplink
Dow Shield 100		1 L	3 L	6 wk		03861	Whelehan	

## CABBAGE

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	dimethenamid-p + pendimethalin	Wing P (OLA)	4 L	1		0.01 / 0.05	03590	BASF
	metazachlor <sup>12</sup>	Butisan S	1.5 L	1		0.4	04631	BASF
	napropamide	Devrinol <sup>14</sup> Devrinol	2.8 L 2.8 L			0.1	DR 05234	Whelehan Whelehan
	pendimethalin	Anthem Stomp Aqua	3.3 L 2.9 L	1 1		0.05	04761 03750	Adama BASF
	pyridate	Lentagran WP Lentagran WP	2 kg 2 kg	1 1		1.5	03082 05582	Whelehan Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta
Grasses	clethodim	Centurion Max (OLA)	2 L	1	4 wk	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1	4 wk	5.0	04936	BASF

## NOTES

1. Amistar (PCS 01351) is no longer registered and all remaining stocks must be used by 30 September 2019.
2. Fezan (PCS 03639) and Riza (PCS 02429) are no longer registered and all remaining stocks must be used by 30 June 2020.
3. Nativo (PCS 03226) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. The max number of applications for Decis, Decis Protech and Deca is 2 for cabbage and Brussels sprouts and 3 for cauliflower.
5. The MRL for Sumi-Alpha is 0.02 mg/kg cauliflower, 0.05 mg/kg for broccoli and Brussels sprouts and 0.08 mg/kg for cabbage.
6. The MRL for Plenum is 0.03 mg/kg for broccoli and cauliflower, 0.05 mg/kg for cabbage and 0.08 mg/kg for Brussels sprouts.
7. The MRL for Movento is 0.3 mg/kg for Brussels sprouts, 1.0 mg/kg for cauliflower and broccoli and 2.0 mg/kg for cabbage.
8. The MRL for Closer is 0.01 mg/kg for Brussels sprouts, 0.4 mg/kg for cabbage and 3.0 mg/kg for broccoli.
9. The MRL for Coragen is 0.6 mg/kg for cauliflower, 1.0 mg/kg for broccoli and 2.0 mg/kg for cabbage.
10. Steward is on-label for broccoli, cauliflower and cabbage and off-label for Brussels sprouts. The MRL is 0.06 mg/kg for Brussels sprouts, 0.2 mg/kg for cabbage and 0.3 mg/kg for broccoli and cauliflower.
11. The MRL for lambda-cyhalothrin is 0.05 mg/kg for Brussels sprouts, 0.1 mg/kg for broccoli and cauliflower and 0.2 mg/kg for cabbage.
12. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field.
13. Movento (PCS 04101) is no longer registered and all remaining stocks must be used by 30 June 2020.
14. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.
15. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
16. Apply Infinito only between 1 April and end of September.



## CHINESE CABBAGE / PAK CHOI

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	6.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk		04582	Syngenta
	difenoconazole	Score (OLA)	0.5 L	2	3 wk	2.0	04566	Syngenta
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
Ring spot	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	6.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk		04582	Syngenta
	difenoconazole	Score (OLA)	0.5 L	2	3 wk	2.0	04566	Syngenta
White blister	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	6.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	6.0 + 2.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1 kg	3	2 wk	1.5 / 9.0	03799	BASF
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 20	04041	Whelehan
<b>Pests</b>								
Aphid	esfenvalerate	Sumi-Alpha (OLA)	165 ml	2	1 wk	0.02	02334	BASF
	pymetrozine	Plenum WG (OLA) <sup>1,3</sup>	400 g	3	2 wk	0.2	DR	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 100 L		1 d	1.0	DR	NAD
	spirotetramat	Movento (OLA)	0.5 L	2	3 d	7.0	05349	Bayer
	sulfoxaflor	Closer	200 ml	1	1 wk	2.0	05341	Dow
	thiacloprid	Biscaya (OLA)	0.4 L	2	1 wk	1.0	03602	Bayer

## CHINESE CABBAGE / PAK CHOI

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Cabbage root fly	spinosad	Tracer	12 ml / 1000 modules	1		2.0	02649	Whelehan
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	deltamethrin	Decis Protech (OLA)	500 ml	2	1 wk	0.2	05269	Bayer
	spinosad	Tracer	200 ml	4	3 d	2.0	02649	Whelehan
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.4		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L	1		0.01	05357	Whelehan
	metazachlor	Butisan S (OLA)	1 L	1		0.6	04631	BASF
	pyridate	Lentagran WP (OLA)	2 kg	1	6 wk	0.05	05580	Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	6 wk	3.0	04936	BASF

### NOTES

1. Plenum can be used on field and protected crops.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## CAULIFLOWER

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 0.2	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	difenoconazole	Difcor 250 EC	0.3 L	3	3 wk	0.2	04983	DHM
		Score 250 EC	0.5 L	2	3 wk		04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.05	04665	Bayer
tebuconazole	Fezan <sup>2</sup>	0.5-1 L	2.25 L	3 wk	0.05	DR	Unichem	
tebuconazole + trifloxystrobin	Nativo 75 WG	0.4 kg	2	3 wk	0.05 / 0.5	03226	Bayer	
Downy mildew	chlorothalonil + metalaxyl-M	Folio Gold	2 L	2	2 wk	2.0 / 0.2	02363	Syngenta
	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	2.0 / 10.0	04309	Bayer
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	2 kg	2	30 d	1.0 / 0.2	01516	Syngenta
Ring spot	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 0.2	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	chlorothalonil	Bravo 500 (OLA)	2 L	2	2 wk	2.0	03452	Syngenta
		Jupital (OLA)	2 L	2	2 wk		04503	Syngenta

## CAULIFLOWER

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Ring spot	difenoconazole	Difcor 250 EC	0.3 L	3	3 wk	0.2	04983	DHM
		Score 250 EC	0.5 L	2	3 wk		04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.05	04665	Bayer
	tebuconazole	Fezan <sup>2</sup>	0.5-1 L	2.25 L	3 wk	0.05	DR	Unichem
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup>	0.4 kg	2	3 wk	0.05 / 0.5	DR	Bayer
		Nativo 75 WG	0.4 kg	2	3 wk		04642	Bayer
White blister	azoxystrobin	Amistar	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 0.2	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	chlorothalonil + metalaxyl-M	Folio Gold	2 L	2	2 wk	2.0 / 0.2	02363	Syngenta
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	2 kg	2	30 d	1.0 / 0.2	01516	Syngenta
		tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup>	0.4 kg	2	3 wk	0.05 / 0.5	DR
Nativo 75 WG			0.4 kg	2	3 wk	04642		Bayer
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 10.0	04041	Whelehan
	propamocarb	Proplant	5 ml / m <sup>2</sup>	1		10.0	03994	Unichem
<b>Pests</b>	As for cabbage							

## CAULIFLOWER

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L			0.01	05357	Whelehan
	clopyralid	Beetshield <sup>4</sup>	1 L	3 L	6 wk	3.0	DR	DHM
		Cliophar 100	1 L	3 L	6 wk		04899	Croplink
		Dow Shield 100	1 L	3 L	6 wk		03861	Whelehan
	dimethenamid-p + pendimethalin	Wing P (OLA)	4 L	1		0.01 / 0.05	03590	BASF
	metazachlor <sup>4</sup>	Butisan S	1.5 L	1		0.4	04631	BASF
	napropamide	Devrinol <sup>4</sup>	2.8 L			0.1	DR	Whelehan
		Devrinol	2.8 L				05234	Whelehan
	pendimethalin	Anthem	3.3 L	1		0.05	04761	Adama
Stomp Aqua		2.9 L	1		03750		BASF	
pyridate	Lentagran WP (OLA)	2 kg	1	6 wk	0.05	05580	Whelehan	
s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta	
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	4 wk	5.0	04936	BASF

### NOTES

1. Amistar (PCS 01351) is no longer registered and all remaining stocks must be used by 30 September 2019.
2. Fezan (PCS 03639) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Nativo (PCS 03226) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. Beetshield (PCS 04632) and Devrinol (PCS 91627) are no longer registered and all remaining stocks must be used by 30 June 2020.
5. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field.

## GREEN BROCCOLI

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 1.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	difenoconazole	Difcor 250 EC Score 250 EC	0.3 L	3	2 wk	1.0	04983	DHM
			0.5 L	2	3 wk		04566	Syngenta
prothioconazole	Rudis	0.4 L	3	3 wk	0.05	04665	Bayer	
tebuconazole	Fezan <sup>2</sup>	0.5-1 L	2.25 L	3 wk	0.5	DR	Unichem	
tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup> Nativo 75 WG	0.4 kg	2	3 wk	0.15 / 0.5	DR	Bayer	
		0.4 kg	2	3 wk		04642	Bayer	
Downy mildew	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	2.0 / 3.0	04309	Bayer
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	2 kg	2	30 d	1.0 / 0.2	01516	Syngenta
	mandipropamid	Revus	0.6 L	2	2 wk	2.0	05154	Syngenta
Ring spot	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 1.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	difenoconazole	Difcor 250 EC Score 250 EC	0.3 L	3	2 wk	1.0	04983	DHM
			0.5 L	2	3 wk		04566	Syngenta

## GREEN BROCCOLI

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Ring spot	prothioconazole	Rudis	0.4 L	3	3 wk	0.05	04665	Bayer
	tebuconazole	Fezan <sup>2</sup>	0.5-1 L	2.25 L	3 wk	0.5	DR	Unichem
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup> Nativo 75 WG	0.4 kg 0.4 kg	2 2	3 wk 3 wk	0.15 / 0.5	DR 04642	Bayer Bayer
White blister	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	5.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	5.0 / 1.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	3	2 wk	5.0 / 0.1	03799	BASF
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	2 kg	2	30 d	1.0 / 0.2	01516	Syngenta
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>2</sup>	0.4 kg 0.4 kg	2 2	3 wk 3 wk	0.15 / 0.5	DR 04642	Bayer Bayer
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 3.0	04041	Whelehan
	propamocarb	Proplant	5 ml / m <sup>2</sup>	1		3.0	03994	Unichem
<b>Pests</b>	As for cabbage							
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L			0.01	05357	Whelehan
	clopyralid	Beetshield <sup>4</sup>		2 L	3 L	6 wk	1.5	DR
Cliophar 100			2 L	3 L	6 wk	04899		Croplink
Dow Shield 100			2 L	3 L	6 wk	03861		Whelehan

## GREEN BROCCOLI

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	dimethenamid-p + pendimethalin	Wing P (OLA)	4 L	1		0.01 / 0.05	03590	BASF
	metazachlor <sup>2</sup>	Butisan S	1 L	1		0.4	04631	BASF
	napropamide	Devrinol <sup>4</sup> Devrinol	2.8 L 2.8 L			0.05	DR 05234	Whelehan Whelehan
	pendimethalin	Anthem Stomp Aqua	3.3 L 2.9 L	1 1		0.05	04761 03750	Adama BASF
	pyridate	Lentagran WP (OLA)	2 kg	1	6 wk	0.05	05580	Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta

### NOTES

1. Amistar (PCS 01351) is no longer registered and all remaining stocks must be used by 30 September 2019.
2. Fezan (PCS 03639) and Nativo (PCS 03226) are no longer registered and all remaining stocks must be used by 30 June 2020.
3. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field.
4. Beetshield (PCS 04632) and Devrinol (PCS 91627) are no longer registered and all remaining stocks must be used by 30 June 2020.



## KALE

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	6.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	6.0 / 2.0	04582	Syngenta
	difenoconazole	Score 250 EC	0.5 L	2	3 wk	2.0	04566	Syngenta
Downy mildew	fluopicolide + propamocarb	Infito (OLA)	1.6 L	1	2 wk	2.0 / 20.0	04309	Bayer
Ring Spot	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	6.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	6.0 / 2.0	04582	Syngenta
	difenoconazole	Score 250 EC	0.5 L	2	3 wk	2.0	04566	Syngenta
White blister	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	6.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	6.0 / 2.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1 kg	3	2 wk	1.5 / 9.0	03799	BASF
Seedlings	fosetyl + propamocarb	Previcur Energy	3 ml / m <sup>2</sup>	2		10.0 / 20.0	04041	Whelehan
<b>Pests</b>								
Aphid	esfenvalerate	Sumi-Alpha (OLA)	165 ml	2	1 wk	0.02	02334	BASF
	pymetrozine	Plenum (OLA) <sup>4</sup>	400 g	3	2 wk	0.2	DR	Syngenta

## KALE

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 100 L		1 d	1.0	DR	NAD
	spirotetramat	Movento	0.5 L	2	3 d	7.0	DR 05349	Bayer Bayer
			0.5 L	2	3 d			
	thiacloprid	Biscaya (OLA)	0.4 L	2	3 wk	0.4	03602	Bayer
Cabbage root fly	metarhizium	Met 52 Granular	0.5 kg/m <sup>3</sup>			-	04811	NAD
	spinosad	Tracer (OLA)	12 ml / 1000 modules	1		2.0	02649	Whelehan
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer (OLA)	200 ml	4	3 d	2.0	02649	Whelehan
Flea beetle	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.4		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.25 L			0.01	05357	Whelehan
	metazachlor <sup>3</sup>	Butisan S	1.5 L	1		0.2	04631	BASF
	napropamide	Devrinol <sup>2</sup> Devrinol	2.8 L			0.05	DR 05234	Whelehan Whelehan
2.8 L								

## KALE

<b>Weeds</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Annuals	pyridate	Lentagran WP (OLA)	2 kg	1	6 wk	0.2	05580	Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	6 wk	3.0	04936	BASF

### NOTES

1. Amistar (PCS 01351) is no longer registered and all remaining stocks must be used by 30 September 2019.
2. Pyrethrum 5 EC (PCS 92317) and Devrinol (PCS 91627) are no longer registered and all remaining stocks must be used by 30 June 2020.
3. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field.
4. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## SWEDES

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	1.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.4	04582	Syngenta
	isopyrazam	Reflect (OLA)	1 L	2	2 wk	0.2	05462	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.36 kg	2	3 wk	0.3 / 0.04	04642	Bayer
Downy mildew	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
	copper oxychloride	Curenox 50WP (OLA)	1 kg	6	8 d	20.0	05829	Unichem
Leaf spots	difenoconazole	Score 250 EC (OLA)	0.5 L	1	4 wk	0.4	04566	Syngenta
Phoma	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
Powdery mildew	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	1.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.4	04582	Syngenta
	difenoconazole	Score 250 EC (OLA)	0.5 L	1	4 wk	0.4	04566	Syngenta
	isopyrazam	Reflect (OLA)	1 L	2	2 wk	0.2	05462	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	quinoxifen	Fortress (OLA)	0.3 L	0.4 L	4 wk	0.02	02364	Whelehan
	sulphur	Headland Sulphur Microthiol Special	10 L 10 kg	3		-	90731 90548	NAD Unichem
Powdery mildew	tebuconazole	Fezan <sup>1</sup>	1 L	2	5 wk	0.3	DR	Unichem
		Riza <sup>1</sup>	1 L	2	5 wk		DR	Headland

## SWEDES

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Powdery mildew	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.36 kg	2	3 wk	0.3 / 0.04	04642	Bayer
<b>Pests</b>								
Aphid	acetamiprid	Gazelle (OLA)	250 g	2	2 wk	0.01	03248	Whelehan
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento (OLA)	0.5 L	2	3 wk	0.1	05349	Bayer
	thiacloprid	Biscaya (OLA)	0.4 L	2	5 wk	0.01	03602	Bayer
Cabbage root fly	cyantraniliprole	Benevia 10 OD (OLA)	0.75 L	2	2 wk	0.05	05354	DuPont
	garlic	ECOguard Granules ECOguard Liquid	16 kg 4% solution	3 1	1 wk	-	92304 92305	NAD NAD
Caterpillar	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
	chlorantraniliprole	Coragen	175 ml	2	3 wk	0.06	05295	DuPont
	cyantraniliprole	Benevia 10 OD (OLA)	0.75 L	2	2 wk	0.05	05354	DuPont
	lambda-cyhalothrin	Karate Zeon (OLA)	150 ml	4	2 wk	0.04	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	4	2 wk		04454	GAT
		Sparviero (OLA)	75 ml	4	2 wk		04469	Unichem
pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD	
Eelworm	oxamyl	Vydate 10G (OLA)	90 g per 100 m of row	1		0.01	03698	Whelehan
Flea beetle	deltamethrin	Decis	300 ml	1	30 d	0.02	02693	Bayer
		Decis Protech	500 ml	1	30 d		05269	Bayer

## SWEDES

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Flea beetle	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.05		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan (OLA)	8 L	1		0.02	05763	Unichem
	clomazone	Gamit 36CS (OLA)	0.18 L			0.01	05357	Whelehan
	clopyralid	Beetshield <sup>2</sup>	1 L	3 L	6 wk	1.5	DR	DHM
		Beetshield 200	1 L	1.5 L			05805	DHM
		Cliophar 100	1 L	3 L	6 wk		04899	Croplink
		Dow Shield 100	1 L	3 L	6 wk		03861	Whelehan
	lenacil	Venzar 500 SC (OLA)	0.4 L	1		0.1	04805	DuPont
	metazachlor <sup>3</sup>	Butisan S	1.5 L	1		0.15	04631	BASF
	napropamide	Devrinol <sup>4</sup>	1.25 L			0.05	DR	Whelehan
		Devrinol (OLA)	1.25 L				05234	Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta
Grasses	clethodim	Centurion Max (OLA)	2 L	1	48 d	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1		0.2	04936	BASF
	fluazifop-P-butyl	Fusilade Max	1-3 L	1	8 wk	0.5	01472	Syngenta
		Fusilade Max	2	1	7 wk		05073	Nufarm
	propaquizafop	Claw 100	1.5 L	1	8 wk	0.05	05444 05874	DHM

## SWEDES

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Grasses	propaquizafop	Falcon	1.5 L	1	8 wk	0.05	04740	Croplink
	quizalofop-P-ethyl	Pilot Ultra (OLA)	2.5 L	1	60 d	0.4	04955	Nissan

### NOTES

1. Fezan (PCS 03639) and Riza (PCS 02429) are no longer registered and all remaining stocks must be used by 30 June 2020.
2. Pyrethrum 5 EC is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Beetshield (PCS 04632) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. A maximum total dose of 1000 g/ha of metazachlor may be applied in any 3 year period to the same field. Apply within 48 hours of drilling and reduce the rate by 0.25 l/ha on light soils. Watch the weather and avoid applying if heavy rain is forecast.
5. Devrinol (PCS 91627) is no longer registered and all remaining stocks must be used by 30 June 2020.

## BABY LEAF

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	8 L	6	0 d	-	03847	NAD
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 10.0	03799	BASF
	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	2	1 wk	15.0 / 20.0	06414	Syngenta
	fenhexamid	Teldor (OLA)	1.5 kg	2	3 d	50.0	02003	Bayer
Damping off	fosetyl + propamocarb	Previcur Energy (OLA)	3 ml / m <sup>2</sup>	2	3 wk	75.0 / 20.0	04041	Whelehan
Downy mildew	dimethomorph	Paraat (OLA)	0.36 kg	2	2 wk	10.0	03614	BASF
	dimethomorph + mancozeb	Acrobat MZ (OLA)	2 kg	3	3 wk	10.0 / 5.0	04059	BASF
	fluopicolide + propamocarb	Infito (OLA)	1.6 L	1	2 wk	9.0 / 20.0	04309	Bayer
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA) <sup>2</sup>	1.9 kg	2 3	5 wk	5.0 / 3.0	01516	Syngenta
	mandipropamid	Revus <sup>3</sup> Revus	0.6 L 0.6 L	1 1	1 wk 1 wk	25.0	DR 05154	Syngenta Syngenta
Leaf spots	mancozeb	Dithane DF (OLA)	2.1 kg	4	4 wk	5.0	03707	Whelehan
Rhizoctonia	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	15.0	05072	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 10.0	03799	BASF
Sclerotinia	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 10.0	03799	BASF
Soil pathogens	Trichoderma	T34 (OLA)	0.5 g/m <sup>2</sup>	1		-	05620	Unichem



## BABY LEAF

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	acetamiprid	Gazelle (OLA)	250 g	2	3 d	3.0	03248	Whelehan
	deltamethrin	Decis Protech (OLA) <sup>2</sup>	420 ml	3	1 wk	2.0	05269	Bayer
	pymetrozine	Plenum WG (OLA) <sup>4</sup>	400 g	3	1 wk	3.0	DR	Syngenta
	spirotetramat	Movento (OLA) <sup>2</sup>	0.5 L	2	1 wk	7.0	05349	Bayer
	thiacloprid	Calypso (OLA) <sup>1</sup>	0.25 L	1	2 wk	2.0	02441	Bayer
Caterpillar	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
	deltamethrin	Decis Protech (OLA) <sup>2</sup>	420 ml	3	1 wk	2.0	05269	Bayer
	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	4	1 wk	0.7	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	4	1 wk		04454	GAT
		Sparviero (OLA)	75 ml	4	1 wk		04469	Unichem
spinosad	Tracer (OLA)	200 ml	3	3 d	15.0	02649	Whelehan	
Flea beetle	deltamethrin	Decis Protech (OLA) <sup>2</sup>	420 ml	3	1 wk	2.0	05269	Bayer
Larva	metarhizium	Met 52 Granular	0.5 kg/m <sup>3</sup>			-	04811	NAD
<b>Weeds</b>								
Annuals	napropamide	Devrinol (OLA)	0.85 L	1		0.05	05234	Whelehan
	benfluralin	Bonalan (OLA)	8 L	1		0.02	05763	Unichem
	chlorpropham	CIPC (OLA)	1.9 L	2		0.01	03066	Unichem

## BABY LEAF

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	pendimethalin	Stomp Aqua (OLA)	2.9 L	1	6 wk	0.6	03750	BASF
	propyzamide	Kerb Flo (OLA)	1.875 L	1	24 d	0.2	02830	Whelehan
Grasses	cycloxydim	Stratos Ultra (OLA)	4 L	1	4 wk	0.2	04936	BASF
	fluazifop-p-butyl	Fusilade Max	1.5 L	1	6 wk	0.02	05073	Nufarm

### NOTES

1. Only for use on protected baby leaf brassica crops.
2. For use on outdoor and protected crops.
3. Revus (PCS 02789) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## BEETROOT

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Alternaria	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	1.0	05072	Syngenta
	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta
Leaf spots	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.4	04582	Syngenta
	cyproconazole + trifloxystrobin	Escolta (OLA)	0.35 L	2	3 wk	0.05 / 0.02	05681	Bayer
	difenoconazole	Score 250 EC (OLA)	0.5 L	1	4 wk	0.4	04566	Syngenta
	isopyrazam	Reflect (OLA)	1 L	2	2 wk	0.2	05462	Syngenta
	mancozeb	Dithane DF (OLA)	2.1 kg	4	30 d	0.5	03707	Whelehan
Powdery mildew	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	1.0	05072	Syngenta
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.4	04582	Syngenta
	cyproconazole + trifloxystrobin	Escolta (OLA)	0.35 L	2	3 wk	0.05 / 0.02	05681	Bayer
	difenoconazole	Score 250 EC (OLA)	0.5 L	1	4 wk	0.4	04566	Syngenta
	mancozeb	Dithane DF (OLA)	2.1 kg	4	30 d	0.5	03707	Whelehan
	quinoxifen	Fortress (OLA)	0.3 L	0.4 L	4 wk	0.02	02364	Whelehan
	sulphur	Microthiol Special (OLA)	10 kg	2		-	90548	Unichem
Rust	cyproconazole + trifloxystrobin	Escolta (OLA)	0.35 L	2	3 wk	0.05 / 0.02	05681	Bayer
Sclerotinia	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta

## BEETROOT

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	pyrethrins	Pyrethrum 5 EC	20 ml in 5 L		1 d	1.0	92317	NAD
	thiacloprid	Biscaya (OLA)	0.4 L	2	2 wk	0.05	03602	Bayer
Caterpillar	chlorantraniliprole	Coragen	175 ml	2	3 wk	0.06	05295	DuPont
	deltamethrin	Decis Protech (OLA)	500 ml	3	3 wk	0.02	05269	Bayer
	lambda-cyhalothrin	Karate Zeon (OLA)	150 ml	4	2 wk	0.04	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	4	2 wk		04454	GAT
		Sparviero (OLA)	75 ml	4	2 wk		04469	Unichem
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	deltamethrin	Decis (OLA)	300 ml	3	3 wk	0.02	02693	Bayer
Eelworm	oxamyl	Vydate 10G (OLA)	90 g per 100 m of row	1		0.01	03698	Whelehan
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.3		
<b>Weeds</b>								
Annuals	chloridazon	Pyramin DF <sup>1</sup>	1.7-4 kg			0.5	DR	BASF
	cloprialid	Beetshield <sup>1</sup>	1 L	3 L	6 wk	1.0	DR	DHM
		Beetshield 200	1 L	1.5 L			05805	DHM
	Cliophar 100	1 L	3 L	6 wk		04899	Croplink	

## BEETROOT

<b>Weeds</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Annuals	clopyralid	Dow Shield 100	1 L	3 L	6 wk	1.0	03861	Whelehan
	ethofumesate	Barclay Keeper 500	2 L	2 L		0.2	02338	Barclay
		Oblix 500	2 L	2 L			05286	UPL
		Nortron 50 SC	2 L	2 L			02658	DuPont
lenacil	Venzar 500 SC (OLA)	0.4 L	1		0.1	04805	DuPont	
	metamitron	Goltix 70 SC	2 L	5 L		0.2	04668	Croplink
Grasses	clethodim	Centurion Max (OLA)	1 L	1	8 wk	0.5	04948	Arysta
	cycloxydim	Stratos Ultra (OLA)	4 L	1	8 wk	0.9	04936	BASF
	fluazifop-P-butyl	Fusilade Max	2 L	1	7 wk	0.5	05073	Nufarm
	quizalofop-P-ethyl	Pilot Ultra	2.5 L	1	60 d	0.4	04955	Nissan

### NOTES

1. Pyrethrum (PCS 92317), Beetshield (PCS 04632) and Pyramin (PCS 04264) are no longer registered and all remaining stocks must be used by 30 June 2020.

## BROAD BEANS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Chocolate spot	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	3.0 + 1.0	04582	Syngenta
	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
	cyprodinil + fludioxonil	Switch Switch	1 kg 1 kg	2 2	2 wk 2 wk	2.0 / 1.0	03761 06414	Syngenta Syngenta
Downy mildew	chlorothalonil + metalaxyl-M	Folio Gold	2 L	2	2 wk	5.0 / 0.02	02363	Syngenta
Rust	azoxystrobin	Amistar	1 L	2	2 wk	3.0	05072	Sygenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
<b>Pests</b>								
Aphid	pirimicarb	Aphox	280 g	1	3 d	1.5	03795	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Caterpillar	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
Pea and bean weevil	deltamethrin	Deca	300 ml	2	1 wk	0.2	04952	Sharda
		Decis	300 ml	2	1 wk		02693	Bayer
		Decis Protech	500 ml	2	1 wk		05269	Bayer
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.4		

## BROAD BEANS

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	aclonifen	Emerger	3 L	1		0.08	06190	Bayer
	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	bentazone	Basagran SG	1.65 kg	1-2		0.3	05192	BASF
Grasses	clethodim	Centurion Max (OLA)	1 L	1	30 d	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1	8 wk	15.0	04936	BASF
	fluazifop-p-butyl	Fusilade Max	2 L	1	5 wk	1.5	05073	Nufarm
	propaquizafop	Falcon	1.5 L	1	7 wk	0.05	04740	Croplink

### NOTES

1. Pyrethrum 5EC (PCS 92317) is no longer registered and all remaining stocks must be used by 20 June 2020.

## CARROTS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin <sup>1</sup>	Amistar	1 L	3	2 wk	1.0	05072	Syngenta
		Az-Tec	1 L	3	2 wk		06036	Unichem
		Globaztar SC	1 L	3	2 wk		05529	DHM
		Zoxis	1 L	3	2 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	1.0 / 0.4	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1 kg	2	2 wk	2.0 / 0.5	03799	BASF
	cyprodinil + fludioxonil	Switch	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	0.4	04566	Syngenta
	isopyrazam	Reflect	1 L	2	2 wk	0.2	05462	Syngenta
	mancozeb	Dithane DF (OLA)	2.1 kg	4	30 d	0.2	03707	Whelehan
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	tebuconazole	Fezan <sup>2</sup>	1 L	3	3 wk	0.4	DR	Unichem
	Riza <sup>2</sup>	1 L	3	3 wk	DR		Headland	
tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup>	0.3 kg	3	3 wk	0.4 / 0.1	DR	Bayer	
		0.3 kg	3	3 wk		04642	Bayer	
Cavity spot	metalaxyl-M	SL 567A <sup>4</sup>	1.3 L	1		0.1	03106	Syngenta
Powdery mildew	azoxystrobin <sup>1</sup>	Amistar	1 L	3	2 wk	1.0	05072	Syngenta
		Az-Tec	1 L	3	2 wk		06036	Unichem
		Globaztar SC	1 L	3	2 wk		05529	DHM
		Zoxis	1 L	3	2 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	1.0 / 0.4	04582	Syngenta



## CARROTS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Powdery mildew	boscalid + pyraclostrobin	Signum	1 kg	2	2 wk	2.0 / 0.5	03799	BASF
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	0.4	04566	Syngenta
	isopyrazam	Reflect	1 L	2	2 wk	0.2	05462	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	tebuconazole	Fezan <sup>2</sup> Riza <sup>2</sup>	1 L 1 L	3 3	3 wk 3 wk	0.4	DR DR	Unichem Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG	0.3 kg	3	3 wk	0.4 / 0.1	03226	Bayer
Sclerotinia	boscalid + pyraclostrobin	Signum	1 kg	2	2 wk	2.0 / 0.5	03799	BASF
	Coniothyrium minitans	Contans WG	2-8 kg			-	03287	Whelehan
	cyprodinil + fludioxonil	Switch	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	tebuconazole	Fezan <sup>2</sup> Riza <sup>2</sup>	1 L 1 L	3 3	3 wk 3 wk	0.4	DR DR	Unichem Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG <sup>3</sup>	0.3 kg	3	3 wk	0.4 / 0.05	03226	Bayer
<b>Pests</b>								
Aphid	pyrethrins	Pyrethrum 5 EC <sup>5</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento <sup>6</sup>	0.5 L 0.5 L	2 2	8 wk 3 wk	0.1	DR 05349	Bayer Bayer

## CARROTS

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	thiacloprid	Biscaya	0.4 L	2	1 wk	0.05	03602	Bayer
Carrot fly	chlorantraniliprole	Coragen	175 ml	2	3 wk	0.08	05295	DuPont
	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	0.02	05354	DuPont
	deltamethrin	Decis Protech (OLA)	500 ml	3	3 wk	0.02	05269	Bayer
	lambda-cyhalothrin	Karate Zeon	150 ml Max total 450 ml	4	2 wk	0.04	04084	Syngenta
Cutworm	deltamethrin	Decis (OLA)	300 ml	3	3 wk	0.05	02693	Bayer
	lambda-cyhalothrin	Karate Zeon	75 ml	2	2 wk	0.02	04084	Syngenta
		Karis 10 CS	75 ml	2	2 wk		04454	GAT
Sparviero		75 ml	2	2 wk	04469		Unichem	
Eelworm	garlic	NEMguard DE	20 kg	1		-	05368	Unichem
	oxamyl	Vydate 10G	90 g per 100 m of row	1	12 wk	0.01	03698	Whelehan
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.3		
<b>Weeds</b>								
Annuals	aclonifen	Emerger (OLA)	2.5 L	2		0.08	06190	Bayer
	chlorpropham	CIPC <sup>7</sup>	2.8-4.2 L	1		0.01	DR	Unichem
	clomazone	Gamit 36CS	0.25 L	1		0.01	05357	Whelehan
	diflufenican	Hurricane SC (OLA)	0.24 L	1		0.01	04357	Adama

## CARROTS

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	flumioxazin	Sumimax (OLA)	100 ml	1	4 wk	0.02	02764	Goldcrop
	isoxaben	Flexidor (OLA)	0.15 L	1		0.05	04963	Dow
	metribuzin	Sencorex Flow (OLA)	85-255 ml	3	4 wk	0.1	04361	Bayer
	pendimethalin	Anthem Stomp Aqua	3.3 L	1		0.7	04761	Adama BASF
			2.9 L	1	03750			
	prosulfocarb	Defy (OLA)	4 L	1	80 d	1.0	04277	Syngenta
Grasses	clethodim	Centurion Max (OLA)	2 L	1	48 d	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1	5 wk	5.0	04936	BASF
	fluazifop-P-butyl	Fusilade Max Fusilade Max	1-3 L	1	8 wk	0.4	01472	Syngenta Nufarm
			2 L	1	7 wk		05073	
	propaquizafop	Claw 100 Falcon	0.5-1.5 L	1	30 d	0.1	05874	DHM Croplink
0.5-1.5 L			1	30 d	04740			
	quizalofop-P-ethyl	Pilot Ultra (OLA)	2.5 L	1	40 d	0.4	04955	Nissan
Growth regulator	maleic hydrazide	Fazor (OLA)	5 kg	1	3 wk	30.0	03729	Whelehan

### NOTES

1. All old number azoxystrobin based products are no longer registered and all remaining stocks must be used by 30 September 2019.
2. Fezan (PCS 03639) and Riza (PCS 02429) are no longer registered and all remaining stocks must be used by 30 June 2020.
3. Nativo 75 WG (PCS 03226) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. Latest time of application of SL 567A is 6 weeks after sowing.
5. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
6. Movento (PCS 04101) is no longer registered and all stocks must be used by 30 June 2020.
7. CIPC (PCS 90486) is no longer registered and all remaining stocks must be used by 30 June 2019.

## CELERY

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	azoxystrobin	Amistar (OLA) <sup>1</sup>	1 L	3	2 wk	0.3	05072	Syngenta
		Globazar SC (OLA) <sup>1</sup>	1 L	3	2 wk		05529	DHM
Celery leaf spot	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	0.3 + 0.3	04582	Syngenta
	cyprodinil + fludioxonil	Switch (OLA)	1 kg	2	2 wk	0.1 / 0.05	06414	Syngenta
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	3 wk	0.3	04566	Syngenta
	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.3 kg	3	3 wk	1.5 / 0.05	04642	Bayer
Sclerotinia	azoxystrobin	Amistar (OLA) <sup>1</sup>	1 L	3	2 wk	0.3	05072	Syngenta
		Globazar SC (OLA) <sup>1</sup>	1 L	3	2 wk		05529	DHM
	cyprodinil + fludioxonil	Switch (OLA)	1 kg	2	2 wk	0.1 / 0.05	06414	Syngenta
<b>Pests</b>								
Aphid	pymetrozine	Plenum (OLA) <sup>4</sup>	400 g	3	2 wk	0.1	DR	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	0.5	DR	NAD
Carrot fly	lambda-cyhalothrin	Karate Zeon (OLA)	50 ml	4	1 wk	0.01	04084	Syngenta
			Max total 150 ml					
		Karis 10 CS (OLA)	50 ml	4	1 wk		04454	GAT
			Max total 150 ml					
		Sparviero (OLA)	50 ml	4	1 wk	04469	Unichem	
			Max total 150 ml					
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	lambda-cyhalothrin	Karate Zeon (OLA)	50 ml	4	1 wk	0.01	04084	Syngenta
		Karis 10 CS (OLA)	50 ml	4	1 wk		04454	GAT
		Sparviero (OLA)	50 ml	4	1 wk		04469	Unichem

## CELERY

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Leaf miner	lambda-cyhalothrin	Sparviero (OLA)	50 ml	4	1 wk	0.01	04469	Unichem
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.1		
<b>Weeds</b>								
Annuals	chlorpropham	CIPC <sup>3</sup>	2.8-5.6 L	1		0.05	DR	Unichem
	pendimethalin	Stomp Aqua (OLA)	2.9 L	1		0.05	03750	BASF
	prosulfocarb	Defy (OLA)	4 L	1	50 d	0.3	04277	Syngenta
Grasses	fluazifop-p-butyl	Fusilade Max	1 L	1	1.5 L	0.03	05073	Nufarm

### NOTES

1. Amistar/Globaztar can be used on field and protected crops.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. CIPC (PCS 90486) is no longer registered and all remaining stocks must be used by 30 June 2019.
4. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## COURGETTES – FIELD

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
General	mancozeb	Dithane DF (OLA)	2.1 kg	4	3 d	2.0	03707	Whelehan
Powdery mildew	azoxystrobin	Amistar (OLA)	1 L	3	3 d	1.0	05072	Syngenta
		Chamane (OLA)	1 L	3	3 d		05002	UPL
		Zoxis (OLA)	1 L	3	3 d		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.3	04582	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	1 d	4.0 + 0.5	03799	BASF
	potassium carbonate	Kaligreen	0.5 kg in 100 L	8		-	92412	NAD
Scab	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	1 d	4.0 + 0.5	03799	BASF
<b>Pests</b>								
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.05		
Spider mite	bifenazate	Floramite 240 SC	0.6 L	2	1 d	0.5	02949	Whelehan
<b>Weeds</b>								
Annuals	clomazone	Gamit 36 CS (OLA)	0.25 L			0.01	05357	Whelehan

## COURGETTES – PROTECTED

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier	
Botrytis	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	3	3 wk	1.0 + 0.3	04582	Syngenta	
	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	3	3 d	0.5 / 0.4	06414	Syngenta	
	fenhexamid	Teldor (OLA)	1.5 kg	3	1 d	1.0	02003	Bayer	
	fenpyrazamine	Prolectus	1.2 kg	3	1 d	0.7	04758	Interfarm	
Damping off	fosetyl + propamocarb	Previcur Energy (OLA)	3 ml / m <sup>2</sup>	2		75.0 / 5.0	04041	Whelehan	
Downy mildew	mandipropamid	Revus (OLA)	0.6 L	4	3 d	0.2	04154	Syngenta	
Powdery mildew	azoxystrobin	Amistar (OLA)	1 L	3	3 d	1.0	05072	Syngenta	
		Chamane (OLA)	1 L	3	3 d		05002	UPL	
		Zoxis (OLA)	1 L	3	3 d		05348	Croplink	
	isopyrazam	Reflect	1 L	2	2 wk	0.4	05462	Syngenta	
	metrafenone	Vivando (OLA)	0.2 L	2	3 d	0.5	05685	BASF	
	potassium carbonate	Kaligreen	0.5 kg in 100 L	8		-	92412	NAD	
		Karma (OLA)	3 kg	8	1 d	None	05116	Certis	
<b>Pests</b>									
Aphid	deltamethrin	Decis Protech (OLA)	830 ml	3	3 d	0.2	05269	Bayer	
	pymetrozine	Plenum WG (OLA) <sup>2</sup>	400 g	3	3 d	1.0	DR	Syngenta	
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L			1 d	1.0	DR	NAD
		Pyrethrum 5 EC	0.65 L	3	1 d	06255		NAD	
	spirotetramat	Movento (OLA)	0.5 L	4	2 wk	0.1	05349	Bayer	
Caterpillar	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD	

## COURGETTES – PROTECTED

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Caterpillar	indoxacarb	Steward	12.5 g in 100 L	6	1 d	0.5	02603	DuPont
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.05		
Spider mite	bifenazate	Floramite 240 SC	0.6 L	2	1 d	0.5	02949	Whelehan
	pyrethrins	Pyrethrum 5 EC	0.65 L	3	1 d	1.0	06255	NAD
Thrips	thiacloprid	Calypso (OLA)	450 ml	2	3 d	0.5	02441	Bayer
	pyrethrins	Pyrethrum 5 EC	0.65 L	3	1 d	1.0	06255	NAD

### NOTES

1. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
2. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.



## FRENCH BEANS

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Botrytis pod rot	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
Downy mildew	azoxystrobin	Amistar	1 L	2	1 wk	3.0	05072	Syngenta
Leaf and pod spot	azoxystrobin	Amistar	1 L	2	1wk	3.0	05072	Syngenta
<b>Pests</b>								
Aphid	pyrethrins	Pyrethrum 5 EC	20 ml in 5 L		1 d	1.0	DR	NAD
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.4		
<b>Weeds</b>								
Annuals	aclonifen	Emerger	3 L	1		0.08	06190	Bayer
	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	bentazone	Basagran SG Benta 480 SL	1.65 kg 3 L	1-2 1		0.3	05192 04206	BASF Sharda
	s-metolachlor	Dual Gold (OLA)	1 L	1		0.05	04192	Syngenta
Grasses	clethodim	Centurion Max (OLA)	1 L	1	30 d	0.5	04948	Arysta
	propaquizafop	Claw 100 Falcon	1.5 L 1.5 L	1 1	7 wk 7 wk	0.05	05444 04740	DHM Croplink

### NOTES

1. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.

## HERBS – FIELD

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	8 L	6	0 d	-	03847	NAD
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	fenhexamid	Teldor (OLA)	1.5 kg	2	3 d	50.0	02003	Bayer
	pyrimethanil	Scala (OLA)	1.33 L	3	2 wk	20.0	03916	BASF
Downy mildew	dimethomorph + mancozeb	Acrobat MZ (OLA)	2 kg	3	3 wk	10.0 / 5.0	04059	BASF
	fluopicolide + propamocarb	Infito (OLA)	1.6 L	1	2 wk	9.0 / 30.0	04309	Bayer
	mancozeb	Dithane DF (OLA)	2.1 kg	4	4 wk	5.0	03707	Whelehan
	mandipropamid	Revus <sup>1</sup> Revus	0.6 L 0.6 L	1 1	1 wk 1 wk	10.0	DR 05154	Syngenta Syngenta
Rhizoctonia	azoxystrobin	Amistar (OLA)	1 L	2	2 wk	70.0	05072	Syngenta
		Zoxis (OLA)	1 L	2	2 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top (OLA) Parsley only	1 L	2	2 wk	10.0 / 0.6	04582	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
Sclerotinia	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF

## HERBS – FIELD

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	acetamiprid	Gazelle (OLA) Parsley only	250 g	2	3 d	3.0	03248	Whelehan
	deltamethrin	Decis Protech (OLA)	420 ml	3	1 wk	2.0	05269	Bayer
	pymetrozine	Plenum WG (OLA) <sup>4</sup>	400 g	3	2 wk	3.0	DR	Syngenta
	spirotetramat	Movento (OLA)	0.5 L	2	1 wk	0.1	05349	Bayer
Caterpillar	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	deltamethrin	Decis Protech (OLA)	420 ml	3	1 wk	15.0	05269	Bayer
	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	4	1 wk	0.01	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	4	1 wk		04454	GAT
		Ninja 10 CS	75 ml	4	1 wk		05178	Syngenta
		Sparviero (OLA)	75 ml	4	1 wk		04469	Unichem
pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD	
spinosad	Tracer (OLA)	200 ml	3	3 d	0.1	02649	Whelehan	
Cutworm	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	4	1 wk	0.01	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	4	1 wk		04454	GAT
		Sparviero (OLA)	75 ml	4	1 wk		04469	Unichem
<b>Weeds</b>								
Annuals	aclonifen	Emerger (OLA) Parsley only	2.5 L	2		0.02	06190	Bayer
	benfluralin	Bonalan (OLA)	8 L	1		0.05	05763	Unichem
	chlorpropham	CIPC (OLA)	1.9 L	2		0.02	03066	Unichem

## HERBS – FIELD

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	dimethenamid-p + pendimethalin	Wing P (OLA) <sup>3</sup>	1.25 L	1	5 wk	0.05 / 0.05	03590	BASF
	napropamide	Devrinol (OLA)	0.85 L	1		0.05	05234	Whelehan
	pendimethalin	Stomp Aqua (OLA)	2.9 L	1	6 wk	0.05	03750	BASF
	propyzamide	Kerb Flo (OLA)	1.875 L	1	24 d	0.2	02830	Whelehan
Grasses	cycloxydim	Stratos Ultra (OLA)	4 L	1	4 wk	0.05	04936	BASF
	fluazifop-P-butyl	Fusilade Max	1.5 L	1	6 wk	0.3	05073	Syngenta

### NOTES

1. Revus (PCS 02789) is no longer registered and all remaining stocks must be used by 30 June 2020.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Apply Wing P pre-planting and only between 1 May and 30 September.
4. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## HERBS – PROTECTED

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	10 L	6	0 d	-	03847	NAD
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	pyrimethanil	Scala (OLA)	1.33 L	3	2 wk	20.0	03916	BASF
Downy mildew	dimethomorph	Paraat (OLA)	360 g/ha	2	2 wk	10.0	03614	BASF
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA) <sup>1</sup>	1.9 kg	2 3	5 wk	5.0 / 3.0	01516	Syngenta
	mandipropamid	Revus <sup>2</sup> Revus	0.6 L 0.6 L	1 1	1 wk 1 wk	10.0	DR 05154	Syngenta Syngenta
Powdery mildew	sulphur	Microthiol Special (OLA)	10 g in 5 L	2		-	90548	Unichem
Pythium	fosetyl + propamocarb	Previcur Energy (OLA)	3 m / m <sup>2</sup>	2		75.0 / 30.0	04041	Whelehan
Rhizoctonia	azoxystrobin	Amistar (OLA) <sup>3</sup>	1 L	2	2 wk	70.0	05072	Syngenta
		Globaztar SC	1 L	2			05529	DHM
		Zoxis (OLA)	1 L	2			05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top (OLA) parsley only	1 L	2	2 wk	10.0 / 0.6	04582	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
Root disease	Trichoderma	T34 (OLA)	10 g/m <sup>3</sup>	1		-	05620	NAD
Sclerotinia	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF

## HERBS – PROTECTED

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	acetamiprid	Gazelle (OLA) parsley only	250 g	2	3 d	3.0	03248	Whelehan
	deltamethrin	Decis Protech (OLA)	830 ml	2	1 wk	2.0	05269	Bayer
	pymetrozine	Plenum WG (OLA) <sup>5</sup>	400 g	3	2 wk	3.0	DR	
	pyrethrins	Pyrethrum 5 EC <sup>4</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento (OLA)	0.5 L	2	1 wk	0.1	05349	Bayer
	thiacloprid	Calypso (OLA)	0.25 L	1	2 wk	5.0	02441	Bayer
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	pyrethrins	Pyrethrum 5 EC <sup>4</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer (OLA)	200 ml	3	3 d	0.1	02649	Whelehan
General insects	abamectin	Dynamec (OLA)	50 ml in 100 L	4	2 wk	0.05	02640	Syngenta
<b>Weeds</b>								
Annuals	napropamide	Devrinol (OLA)	0.85 L	1		0.05	05234	Whelehan
	propyzamide	Kerb Flo (OLA)	1.875 L	1	24 d	0.2	02830	Unichem

### NOTES

1. Apply a max of 2 sprays of Ridomil Gold for summer crops and 3 for autumn and winter crops.
2. Revus (PCS 02789) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Amistar can be applied up to 7 days post planting or drilling.
4. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
5. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## LEEKs

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Leaf blotch	chlorothalonil	Bravo 500 (OLA)	2 L	2	2 wk	8.0	03452	Syngenta
		Jupital (OLA)	2 L	2	2 wk		04503	Syngenta
Purple blotch	azoxystrobin	Amistar	1 L	3	3 wk	10.0	05072	Syngenta
		Az-Tec	1 L	3	3 wk		06036	Unichem
		Globaztar SC	1 L	3	3 wk		05529	DHM
		Zoxis	1 L	3	3 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	10.0 / 0.6	04582	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.06	04665	Bayer
Rust	azoxystrobin	Amistar	1 L	3	3 wk	10.0	05072	Syngenta
		Az-Tec	1 L	3	3 wk		06036	Unichem
		Globaztar SC	1 L	3	3 wk		05529	DHM
		Zoxis	1 L	3	3 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	10.0 / 0.6	04582	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.06	04665	Bayer
	tebuconazole	Fezan <sup>1</sup>	1 L	3	2 wk	0.6	DR	Unichem
		Riza <sup>1</sup>	1 L	3	2 wk		DR	Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.36 kg	1	3 wk	0.6 / 0.7	04642	Bayer
White tip	azoxystrobin + difenoconazole	Amistar Top	1 L	2	2 wk	10.0 / 0.6	04582	Syngenta
	chlorothalonil + metalaxyl-M	Folio Gold (OLA)	2 L	3	2 wk	8.0 / 0.03	02363	Syngenta

## LEEKS

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
White tip	dimethomorph + mancozeb	Acrobat MZ (OLA)	2 kg	3	3 wk	1.5 / 3.0	04059	BASF
	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	1.5 / 20.0	04309	Bayer
<b>Pests</b>								
Cutworm	lambda-cyhalothrin	Karate Zeon (OLA)	100 ml	2	1 wk	0.07	04084	Syngenta
Leek moth	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
	deltamethrin	Decis (OLA)	250 ml	3	3 d	0.3	02693	Bayer
Thrips	deltamethrin	Decis Protech (OLA)	420 ml	3	3 d	0.3	05269	Bayer
	Metarhizium	Met 52	1.25 L	6		-	05859	NAD
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer	200 ml	4	1 wk	0.2	02649	Whelehan
	thiacloprid	Calypso (OLA)	0.2 L	3	2 wk	0.1	02441	Bayer
<b>Weeds</b>								
Annuals	bentazone	Basagran SG (OLA)	0.4 kg	2		0.15	05192	BASF
	bromoxynil	Butryflow (EUA) <sup>3</sup>	0.84 L	1			03659	Nufarm
	dimethenamid-p + pendimethalin	Wing P (OLA) <sup>4</sup>	4 L	1		0.01 / 0.05	03590	BASF
	fluroxypyr	Starane Hi-Load HL (OLA)	180 ml	5	4 wk	0.3	04549	Dow
	isoxaben	Flexidor (OLA)	0.3 L	1		0.02	04963	Dow



## LEEKs

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	metazachlor	Butisan S (OLA) <sup>5</sup>	1.5 L	1		0.06	04631	BASF
	pendimethalin <sup>6</sup>	Anthem	3.3 L	1		0.05	04761	Adama
		Stomp Aqua	2.9 L	1			03750	
	prosulfocarb	Defy (OLA)	4 L	1		0.01	04277	Syngenta
	pyridate	Lentagran WP (OLA)	2 kg	1	4 wk	1.0	05580	Whelehan
Grasses	cycloxydim	Stratos Ultra	1.5-4 L			4.0	04936	BASF

### NOTES

1. Fezan (PCS 03639) and Riza (PCS 02429) are no longer registered and all remaining stocks must be used by 30 June 2020.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Emergency Use Authorisation for Butryflow for 120 days to 28 June 2019.
4. Split the rate of Wing P into 2 l/ha pre-emerge and 2 l/ha at early post crook stage if direct drilling. Apply pre-transplanting.
5. Butisan can be used on transplanted crops only.
6. Pendimethalin products can be used on direct drilled crops only.

## LETTUCE – FIELD

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	boscalid + pyraclostrobin	Signum	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	2	1 wk	15.0 / 40.0	06414	Syngenta
	fenhexamid	Teldor (OLA)	1.5 kg	2	3 d	50.0	02003	Bayer
	pyrimethanil	Scala (OLA)	1.33 L	3	2 wk	20.0	03916	BASF
Downy mildew	azoxystrobin	Amistar <sup>1</sup>	1 L	2	2 wk	15.0	05072	Syngenta
		Az-Tec <sup>1</sup>	1 L	2	2 wk		06036	Unichem
		Globaztar SC <sup>1</sup>	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	15.0 + 4.0	04582	Syngenta
	dimethomorph + mancozeb	Acrobat MZ (OLA)	2 kg	3	3 wk	15.0 / 5.0	04059	BASF
	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	9.0 / 40.0	04309	Bayer
	fosetyl + propamocarb	Previcur Energy	2.5 L	2	3 wk	75.0 / 40.0	04041	Whelehan
	mancozeb	Dithane DF (OLA)	2.1 kg	4	4 wk	5.0	03707	Whelehan
	mandipropamid	Revus	0.6 L	1	1 wk	25.0	02789	Syngenta
	Leaf spot	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	3.0	04566
mancozeb		Dithane DF (OLA)	2.1 kg	4	4 wk	5.0	03707	Whelehan
Powdery mildew	potassium carbonate	Karma (OLA)	3 kg	8	1 d	None	05116	Certis
Pythium	fosetyl + propamocarb	Previcur Energy	3 m / m <sup>2</sup>	2		75.0 / 40.0	04041	Whelehan

## LETTUCE – FIELD

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Rhizoctonia	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	15.0 / 4.0	04582	Syngenta
	boscalid + pyraclostrobin	Signum	1.5 kg	2	2 wk	50.0 / 2.0	03799	
Sclerotinia	boscalid + pyraclostrobin	Signum	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	Coniothyrium minitans	Contans WG	4-8 kg			-	03287	Whelehans
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	4.0	04566	Syngenta
<b>Pests</b>								
Aphid	acetamiprid	Gazelle (OLA)	250 g	2	3 d	3.0	03248	Whelehan
	pymetrozine	Plenum WG (OLA) <sup>5</sup>	400 g	3	1 wk	3.0	DR	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento <sup>3</sup>	0.5 L	2	1 wk	7.0	DR	Bayer
			0.5 L	2	1 wk	05349	Bayer	
sulfoxaflor	Closer	200 ml	1	1 wk	4.0	05341	Dow	
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer (OLA)	200 ml	3	3 d	10.0	02649	Whelehan
Cutworm	deltamethrin	Decis	250 ml	3	1 wk	0.5	02693	Bayer
		Decis Protech	420 ml	3	1 wk	05269	Bayer	

## LETTUCE – FIELD

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Many products				2.0		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	chlorpropham	CIPC	1.9 L	2		0.05	03066	Unichem
	dimethenamid-p + pendimethalin	Wing P (OLA) <sup>4</sup>	1.25 L	1	5 wk	0.01 / 4.0	03590	BASF
	pendimethalin	Stomp Aqua (OLA)	3.3 L	1	6 wk	4.0	03750	BASF
	propyzamide	Barclay Propyz Kerb Flo Kerb Flo (OLA)	3.5 L 3.5 L 1.875 L	1 1 1	6 wk 6 wk 24 d	0.6	04006 02830 02830	Barclay Whelehan Whelehan
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	3 wk	1.5	04936	BASF
	fluazifop-P-butyl	Fusilade Max	1.5 L	1	6 wk	0.3	05073	Nufarm

### NOTES

1. A maximum of 500g azoxystrobin must not be exceeded within a 12 month period in the same field.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
3. Movento (PCS 04101) is no longer registered and all remaining stocks must be used by 30 June 2020.
4. Apply Wing P pre-planting only.
5. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## LETTUCE – PROTECTED

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
	boscalid + pyraclostrobin	Signum <sup>1</sup>	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	cyprodinil + fludioxonil	Switch (OLA)	0.6 kg	2	1 wk	15.0 / 40.0	06414	Syngenta
	fenhexamid	Teldor (OLA)	1.5 kg	2	3 d	50.0	02003	Bayer
	pyrimethanil	Scala (OLA)	1.33 L	3	2 wk	20.0	03916	BASF
Downy mildew	azoxystrobin <sup>2</sup>	Amistar	1 L	2	2 wk	15.0	05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	15.0 + 4.0	04582	Syngenta
	dimethomorph	Paraat (OLA)	360 g	2	2 wk	15.0	03614	BASF
	fosetyl + propamocarb	Previcur Energy	2.5 L	2	3 wk	75.0 / 40.0	04041	Whelehan
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA) <sup>3</sup>	1.9 kg	2 3	5 wk	5.0 / 3.0	01516	Syngenta
	mandipropamid	Revus <sup>4</sup>	0.6 L	1	1 wk	25.0	DR	Syngenta
Revus		0.6 L	1	1 wk		05154	Syngenta	
Fusarium	Trichoderma	T34 (OLA)	10 g/m <sup>3</sup>	1		-	05620	NAD
		Triatum-P	15 kg	1		-	05486	Unichem
Leaf spots	myclobutanil	Systhane 20 EW (OLA)	0.3 L	2	2 wk	0.05	04944	Dow
Powdery mildew	potassium carbonate	Karma (OLA)	3 kg	8	1 d	None	05116	Certis

## LETTUCE – PROTECTED

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Pythium	fosetyl + propamocarb	Previcur Energy	3 m / m <sup>2</sup>	2		75.0 / 40.0	04041	Whelehan
Rhizoctonia	boscalid + pyraclostrobin	Signum <sup>1</sup>	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	15.0 + 4.0	04582	Syngenta
Sclerotinia	boscalid + pyraclostrobin	Signum <sup>1</sup>	1.5 kg	2	2 wk	50.0 / 2.0	03799	BASF
	Coniothyrium minitans	Contans WG	2-8 kg			-	03287	Whelehan
<b>Pests</b>								
Aphid	acetamiprid	Gazelle (OLA)	250 g	2	3 d	3.0	03248	Whelehan
	deltamethrin	Decis Protech (OLA)	830 ml	2	1 wk	0.5	05269	Bayer
	pymetrozine	Plenum WG (OLA) <sup>8</sup>	400 g	3	2 wk	3.0	DR	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>5</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento <sup>6</sup>	0.5 L 0.5 L	2 2	1 wk 1 wk	7.0	DR 05349	Bayer Bayer
	thiacloprid	Calypso (OLA)	0.25 L	1	2 wk	1.0	02441	Bayer
Caterpillar	Bacillus thuringiensis	Lepinox Plus	1 kg	3		-	05254	NAD
	deltamethrin	Decis Protech (OLA)	830 ml	2	1 wk	0.5	05269	Bayer
	pyrethrins	Pyrethrum 5 EC <sup>5</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer (OLA)	200 ml	3	3 d	10.0	02649	Whelehan
General insects	abamectin	Dynamec (OLA)	50 ml in 100 L	4	2 wk	0.09	02640	Syngenta

## LETTUCE – PROTECTED

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Slugs	ferric phosphate	Sluxx SH	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				2.0		
Whitefly	pyrethrins	Pyrethrum 5 EC <sup>5</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
<b>Weeds</b>								
Annuals	chlorpropham	CIPC <sup>7</sup>	2-2.8 L	1		0.05	DR	Unichem
	propyzamide	Kerb Flo (OLA)	1.875 L	1	24 d	0.6	02830	Whelehan

### NOTES

1. Applications of Signum must only be made between 1 April and 31 October.
2. A maximum of 500g azoxystrobin must not be exceeded within a 12 month period in the same field.
3. The maximum number of sprays for Ridomil Gold MZ is 2 for summer crops and 3 for autumn/winter crops.
4. Revus (PCS 02789) is no longer registered and all remaining stocks must be used by 30 June 2020.
5. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
6. Movento (PCS 04101) is no longer registered and all remaining stocks must be used by 30 June 2020.
7. CIPC (PCS 90486) is no longer registered and all remaining stocks must be used by 30 June 2019.
8. Plenum (PCS 02238) is no longer registered and all remaining stocks must be used by 30 January 2020.

## ONIONS – BULB

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
	chlorothalonil	Bravo 500 (OLA)	2 L	2	2 wk	0.01	03452	Syngenta
		Jupital (OLA)	2 L	2	2 wk		04503	DHM
	cyprodinil + fludioxonil	Switch	1 kg	3	3 wk	0.3 / 0.5	03761	Syngenta
Downy mildew	azoxystrobin	Amistar	1 L	4	2 wk	10.0	DR	Syngenta
		Amistar	1 L	3	2 wk		05072	Syngenta
		Az-Tec	1 L	3	2 wk		06036	Unichem
		Globaztar SC	1 L	3	2 wk		05529	DHM
		Zoxis	1 L	3	2 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	1	2 wk	10.0 + 0.5	04582	Syngenta
	benthiavalicarb + mancozeb	Valbon (OLA)	1.6 kg	6	4 wk	0.02 / 1.0	03411	Whelehan
	chlorothalonil + metalaxyl-M	Folio Gold (OLA)	2 L	3	2 wk	0.01 / 0.5	02363	Syngenta
	dimethomorph + mancozeb	Acrobat MZ	2.5 kg	4	2 wk	0.6 / 1.0	04059	BASF
	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	1 wk	1.0 / 2.0	04309	Bayer
	mancozeb	Dithane DF	2.1 kg	4	4 wk	1.0	03707	Whelehan
		Manfil 80 WP	2.1 kg	4	4 wk		03563	Headland
		Penncozeb WDG	2.1 kg	4	4 wk		03608	Unichem



## ONIONS – BULB

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Cutworm	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	3	3 wk	0.2	04084	Syngenta
		Ninja 10 CS (OLA)	75 ml	3	3 wk		05178	Syngenta
Onion fly	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	0.05	05354	DuPont
Thrips	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	0.05	05354	DuPont
	deltamethrin	Decis Protech (OLA)	500 ml	2	1 wk	0.06	05269	Bayer
	Metarhizium	Met 52	1.25 L	6		-	05859	NAD
	pyrethrins	Pyrethrum 5 EC <sup>4</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer	200 ml	4	1 wk	0.07	02649	Whelehan
<b>Weeds</b>								
Annuals	aclonifen	Emerger (OLA)	2.5 L	2		0.02	06190	Bayer
	bentazone	Basagran SG (OLA)	0.55 kg	3	3 wk	0.1	05192	BASF
			1.65 kg	1	3 wk			
	bromoxynil	Butryflow	0.75 L	1		0.01	03659	Nufarm
	chlorpropham	CIPC	1.8 L	5.4 L		0.05	03066	Unichem
	clopyralid	Beetshield <sup>1</sup> Cliophar 100 Dow Shield 100	2 L	3 L	6 wk	0.5	DR	04899
2 L			3 L	6 wk	Croplink			
2 L			3 L	6 wk	03861			
dimethenamid-p + pendimethalin <sup>3</sup>	Wing P (OLA) <sup>2</sup>	4 L	1		0.01 / 0.05	03590	BASF	

## ONIONS – BULB

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	flumioxazin	Sumimax (OLA)	100 ml	1	6 wk	0.02	02764	Goldcrop
	fluroxypyr	Starane Hi-Load HL (OLA)	300 ml	1		0.05	04549	Dow
	isoxaben	Flexidor (OLA)	0.2 L	1		0.02	04963	Dow
	prosulfocarb	Defy (OLA)	4 L	1		0.03	04277	Syngenta
	pyridate	Lentagran WP Lentagran WP	2 kg 2 kg	1 1		0.05	03082 05580	Whelehan Whelehan
	s-metolachlor	Dual Gold (OLA)	1.4 L	1		0.05	04192	Syngenta
Grasses	clethodim	Centurion Max (OLA)	2 L	1	8 wk	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4.0 L	1	4 wk	3.0	04936	BASF
	fluazifop-P-butyl	Fusilade Max Fusilade Max	1-3 L 2-3 L	1 1	4 wk 7 wk	0.3	01472 05073	Syngenta Nufarm
	propaquizafop	Claw 100 Falcon	0.7-1.5 L 0.7-1.5 L	1 1	4 wk 4 wk	0.1	05874 04740	DHM Croplink
Growth regulator	maleic hydrazide	Fazor Star	4 kg	1	1 wk	15.0	03729	Whelehan

### NOTES

1. Beetshield (PCS 04632) is no longer registered and all remaining stocks must be used by 30 June 2020.
2. Split the rate of Wing P into 2 l/ha pre-emerge and 2 l/ha at early post crook stage. May cause stunting of the crop.
3. Seed should be drilled to a minimum depth of 2 cm for all pendimethalin products.
4. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.

## ONIONS – SALAD

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Botrytis	Bacillus subtilis	Serenade ASO (OLA)	10 L	20	0 d	-	03847	NAD
	chlorothalonil	Bravo 500 (OLA)	2 L	2	2 wk	10.0	03452	Syngenta
		Jupital (OLA)	2 L	2	2 wk		04503	Syngenta
	cyprodinil + fludioxonil	Switch (OLA)	1 kg	3	2 wk	0.8 / 5.0	06414	Syngenta
Cladosporium	chlorothalonil	Bravo 500 (OLA)	2 L	2	2 wk	10.0	03452	Syngenta
Downy mildew	azoxystrobin	Amistar (OLA)	1 L	3	3 wk	10.0	05072	Syngenta
		Globaztar (OLA)	1 L	3	3 wk		05529	
		Zoxis (OLA)	1 L	3	3 wk		05348	Croplink
	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	1	1 wk	10.0 + 9.0	04582	Syngenta
	chlorothalonil + metalaxyl-M	Folio Gold (OLA)	2 L	3	2 wk	10.0 / 0.3	02363	Syngenta
	dimethomorph + mancozeb	Acrobat MZ (OLA)	2 kg	5	2 wk	9.0 / 1.0	04059	BASF
	fluopicolide + propamocarb	Infinito (OLA)	1.6 L	1	2 wk	10.0 / 30.0	04309	Bayer
	mancozeb	Manfil 75 WG (OLA)	2.1 kg	4	4 wk	1.0	03598	Headland
		Penncozeb WDG (OLA)	2.1 kg	4	4 wk		03608	Unichem
	mancozeb + metalaxyl-M	Ridomil Gold MZ (OLA)	1.5 kg	3	2 wk	1.0 / 0.3	01516	Syngenta
Rust	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.36 kg	1	3 wk	2.0 + 0.1	04642	Bayer
White rot	boscalid + pyraclostrobin	Signum (OLA)	1.5 kg	2	2 wk	6.0 / 1.5	03799	BASF
<b>Pests</b>								
Cutworm	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	2	2 wk	0.2	04084	Syngenta
		Ninja 10 CS (OLA)	75 ml	2	2 wk		05178	Syngenta

## ONIONS – SALAD

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Onion fly	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	8.0	05354	DuPont
Thrips	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	8.0	05354	DuPont
	deltamethrin	Decis Protech (OLA)	420 ml	3	3 wk	0.3	05269	Bayer
	Metarhizium	Met 52	1.25 L	6		-	05859	NAD
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spinosad	Tracer	200 ml	4	1 wk	4.0	02649	Whelehan
	thiacloprid	Calypso (OLA)	0.2 L	3	2 wk	0.15	02441	Bayer
	<b>Weeds</b>							
Annuals	bentazone	Basagran SG (OLA)	0.55 kg	2	3 wk	0.03	05192	BASF
	bromoxynil	Butryflow (EUA) <sup>2</sup>	0.56 L	1		0.05	03659	Nufarm
	chlorpropham	CIPC	1.8 L	5.4 L		0.01	03066	Unichem
	dimethenamid-p + pendimethalin	Wing P (OLA) <sup>3,4</sup>	4 L	1		0.01 / 0.05	03590	BASF
	pendimethalin	Stomp Aqua (OLA) <sup>4</sup>	2.9 L	1		0.05	03750	BASF
	prosulfocarb	Defy (OLA)	5 L	1		0.02	04277	Syngenta
	pyridate	Lentagran WP (OLA)	2 kg	1	5 wk	1.0	05580	Whelehan
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	6 wk	1.0	04936	BASF

## NOTES

1. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
2. Emergency Use Authorisation for Butryflow for 120 days to 28 June 2019.
3. Split the rate of Wing P into 2 l/ha pre-emerge and 2 l/ha at early post crook stage. May cause stunting of the crop.
4. Seed should be drilled to a minimum depth of 2 cm when using pendimethalin products.

## PARSNIPS

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Alternaria	azoxystrobin	Amistar (OLA)	1 L	3	2 wk	1.0	05072	Syngenta
	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	0.4	04566	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	tebuconazole	Fezan <sup>1</sup> Riza <sup>1</sup>	1 L 1 L	3 3	3 wk 3 wk	0.4	DR DR	Unichem Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.3 kg	3	3 wk	0.4 / 0.04	04642	Bayer
Cavity spot	metalaxyl-M	SL 567A (OLA)	1.3 L	1	30 d	0.1	03106	Syngenta
Leaf spot	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	1.0 + 0.4	04582	Syngenta
	isopyrazam	Reflect (OLA)	1 L	2	2 wk	0.2	05462	Syngenta
	mancozeb	Dithane DF (OLA)	2.1 kg	4	30 d	0.2	03707	Whelehan
Powdery mildew	azoxystrobin	Amistar (OLA)	1 L	3	2 wk	1.0	05072	Syngenta
	boscalid + pyraclostrobin	Signum (OLA)	1 kg	2	2 wk	2.0 / 0.3	03799	BASF
	difenoconazole	Score 250 EC (OLA)	0.5 L	2	2 wk	0.4	04566	Syngenta
	mancozeb	Dithane DF (OLA)	2.1 kg	4	30 d	0.2	03707	Whelehan
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
	sulphur	Microthiol Special (OLA)	10 g in 5 L	2		-	90548	Unichem

## PARSNIPS

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Powdery mildew	tebuconazole	Fezan <sup>1</sup>	1 L	3	3 wk	0.4	DR	Unichem
		Riza <sup>1</sup>	1 L	3	3 wk		DR	Headland
	tebuconazole + trifloxystrobin	Nativo 75 WG (OLA)	0.3 kg	3	3 wk	0.4 / 0.04	04642	Bayer
Sclerotinia	cyprodinil + fludioxonil	Switch (OLA)	0.8 kg	3	1 wk	1.5 / 1.0	06414	Syngenta
	prothioconazole	Rudis	0.4 L	3	3 wk	0.1	04665	Bayer
<b>Pests</b>								
Aphid	pyrethrins	Pyrethrum 5 EC <sup>2</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento (OLA)	0.5	2	3 wk	0.1	05349	Bayer
	thiacloprid	Biscaya	0.4 L	2	1 wk	0.05	03602	Bayer
Carrot fly	chlorantraniliprole	Coragen	175 ml	2	3 wk	0.06	05295	DuPont
	cyantraniliprole	Benevia 10 OD	0.75 L	2	2 wk	0.05	05354	DuPont
	deltamethrin	Decis Protech (OLA)	500 ml	3	3 wk	0.02	05269	Bayer
	lambda-cyhalothrin	Karate Zeon	150 ml Max of 450 ml	4	2 wk	0.04	04084	Syngenta
Cutworm	deltamethrin	Decis (OLA)	300 ml	3	3 wk	0.02	02693	Bayer
	lambda-cyhalothrin	Karate Zeon	75 ml	2	2 wk	0.04	04084	Syngenta
		Karis 10 CS	75 ml	2	2 wk		04454	GAT
Sparviero		75 ml	2	2 wk	04469		Unichem	
Eelworm	garlic	NEMguard DE	20 kg	1		-	05368	Unichem

## PARSNIPS

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Eelworm	oxamyl	Vydate 10G	90 g per 100 m of row	1	12 wk	0.01	03698	Whelehan
<b>Weeds</b>								
Annuals	aclonifen	Emerger (OLA)	1.5 L	2		0.1	06190	Bayer
	diflufenican	Hurricane SC (OLA)	0.24 L	1		0.01	04357	Adama
	flumioxazin	Sumimax (OLA)	100 ml	1	4 wk	0.02	02764	Goldcrop
	isoxaben	Flexidor (OLA)	0.15 L	1		0.05	04963	Dow
	metamitron	Goltix 70 SC (OLA)	2 L	5 L		0.1	04668	Adama
	pendimethalin	Anthem Stomp Aqua	3.3 L 2.9 L	1 1		0.7	04761 03750	Adama BASF
	prosulfocarb	Defy (OLA)	4 L	1	80 d	0.08	04277	Syngenta
Grasses	clethodim	Centurion Max (OLA)	2 L	1	48 d	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1		0.9	04936	BASF
	fluazifop-P-butyl	Fusilade Max	2 L	1	7 wk	0.5	05073	Nufarm
	quizalofop-P-ethyl	Pilot Ultra (OLA)	2.5 L	1	60 d	0.4	04955	Nissan
Growth regulator	maleic hydrazide	Fazor Star (OLA)	5 kg	1	3 wk	30.0	03729	Whelehan

### NOTES

1. Fezan (PCS 03639) and Riza (PCS 02429) are no longer registered and all remaining stocks must be used by 30 June 2020.
2. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.



## PEAS – VINING

<b>Diseases</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Botrytis	azoxystrobin + difenoconazole	Amistar Top (OLA)	1 L	2	2 wk	3.0 + 1.0	04582	Syngenta
	Bacillus subtilis	Serenade ASO (OLA)	8 L	6	0 d	-	03847	NAD
	cyprodinil + fludioxonil	Switch Switch	1 kg 1 kg	2 2	2 wk 2 wk	0.08 / 0.3	03761 06414	Syngenta Syngenta
Downy mildew	azoxystrobin	Globaztar SC	1 L	2	2 wk	3.0	05529	DHM
Leaf and pod spot	azoxystrobin	Amistar	1 L	2	2 wk	3.0	DR	Syngenta
		Amistar	1 L	2	2 wk		05072	Syngenta
		Az-Tec	1 L	2	2 wk		06036	Unichem
		Globaztar SC	1 L	2	2 wk		05529	DHM
		Zoxis	1 L	2	2 wk		04455	Croplink
	boscalid + pyraclostrobin	Signum	1 kg	1	2 wk	3.0 / 0.15	03799	BASF
<b>Pests</b>								
Aphid	esfenvalerate	Sumi-Alpha (OLA)	165 ml	2	2 wk	0.02	02334	BASF
	flonicamid	Teppeki (OLA)	0.14 kg	1	2 wk	1.5	02683	Whelehan
	lambda-cyhalothrin	Karate Zeon	50 ml	150 ml		0.2	04084	Syngenta
		Karis 10 CS	50 ml	150 ml			04454	GAT
		Sparviero	50 ml	150 ml			04469	Unichem
	pirimicarb	Aphox	280 g	1	1 wk	0.7	03795	Syngenta
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
thiacloprid	Biscaya	0.4 L	2	1 wk	0.2	03602	Bayer	
Pea midge	deltamethrin	Deca	300 ml	2	1 wk	0.2	04592	Sharda

## PEAS – VINING

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Pea midge	deltamethrin	Decis	300 ml	2	1 wk	0.2	02693	Bayer
	lambda-cyhalothrin	Karate Zeon	75 ml	150 ml		0.2	04084	Syngenta
		Karis 10 CS	75 ml	150 ml			04454	GAT
Sparviero		75 ml	150 ml		04469		Unichem	
Pea moth	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
	deltamethrin	Deca	300 ml	2	1 wk	1.0	04592	Sharda
		Decis	300 ml	2	1 wk		02693	Bayer
	lambda-cyhalothrin	Karate Zeon	50 ml	150 ml		0.2	04084	Syngenta
Karis 10 CS		50 ml	150 ml		04454		GAT	
Sparviero		50 ml	150 ml		04469		Unichem	
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Pea and bean weevil	deltamethrin	Deca	300 ml	2	1 wk	0.2	04592	Sharda
		Decis	300 ml	2	1 wk		02693	Bayer
		Decis Protech	500 ml	2	1 wk		05269	Bayer
	esfenvalerate	Sumi-Alpha (OLA)	330 ml	2	2 wk	0.02	02334	BASF
lambda-cyhalothrin	Karate Zeon	75 ml	150 ml		0.2	04084	Syngenta	
	Karis 10 CS	75 ml	150 ml			04454	GAT	
	Sparviero	75 ml	150 ml			04469	Unichem	
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Many products				0.3		

## PEAS – VINING

Weeds	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Annuals	aclonifen	Emerger	2-3 L	1		0.08	06190	Bayer
	benfluralin	Bonalan	8 L	1		0.02	05763	Unichem
	bentazone	Basagran SG Benta 480 SL	1.65 kg 3 L	1 1		0.05	05192 04206	BASF Sharda
	clomazone	Centium 360 CS	0.25 L	1		0.01	05674	FMC
	flumioxazin	Digital (OLA) Sumimax (OLA)	100 ml 100 ml	1 1	6 wk 6 wk	0.02	03147 02674	Sumitomo Sumitomo
	imazamox + pendimethalin	Nirvana	4.5 L	1		0.05 / 0.05	03063	BASF
	MCPB	Tropotox	4.5 L	1		0.1	03525	Nufarm
Grasses	clethodim	Centurion Max (OLA)	1 L	1	30 d	0.5	04948	Arysta
	cycloxydim	Stratos Ultra	1.5-4 L	1	4 wk	15.0	04936	BASF
	fluazifop-P-butyl	Fusillade Max Fusilade Max	1-1.5 L 1.5 L	1 1	5 wk	1.5	01472 05073	Syngenta Nufarm
	quizalofop-P-ethyl	Pilot Ultra	2.5 L	1	5 wk	0.4	04955	Nissan

### NOTES

1. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.

## RHUBARB

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Aphid	thiacloprid	Calypso (OLA)	0.25 L	1	2 wk	0.02	02441	Bayer
Caterpillar	Bacillus thuringiensis	Lepinox Plus (OLA)	1 kg	3		-	05254	NAD
	pyrethrins	Pyrethrum 5 EC <sup>1</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Slugs	ferric phosphate	Sluxx HP	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				0.05		
<b>Weeds</b>								
Annuals	isoxaben	Flexidor (OLA)	0.4 L	1		0.02	04963	Dow
	pendimethalin	Stomp Aqua (OLA)	2.9 L	1		0.05	03750	BASF
	propyzamide <sup>2</sup>	Barclay Propyz Kerb Flo	4.25 L 4.25 L	1 1		0.01	04006 02830	Barclay Whelehan
Grasses	fluazifop-p-butyl	Fusilade Max	1.5 L	1	6 wk	0.3	05073	Nufarm

### NOTES

1. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
2. Use from 1 October to 31 December.

## SPINACH – FIELD

Diseases	Chemical	Product	Rate ha	Max No	HI	EU MRL mg/kg	PCS No	Supplier
Downy mildew	azoxystrobin	Amistar (OLA) <sup>1</sup>	1 L	2	2 wk	15.0	05072	Syngenta
		Zoxis (OLA) <sup>1</sup>	1 L	2	2 wk		05348	Croplink
	Bacillus subtilis	Serenade ASO (OLA)	8 L	6	0 d	-	03847	NAD
	fluopicolide + propamocarb	Infito (OLA)	1.6 L	1	2 wk	6.0 / 40.0	04309	Bayer
	fosetyl + propamocarb	Previcur Energy (OLA) <sup>2,3</sup>	3 ml/m <sup>2</sup>	2		75.0 / 40.0	04041	Whelehan
mandipropamid	Revus	0.6 L	2	2 wk 1 wk				
Rhizoctonia	azoxystrobin	Amistar (OLA) <sup>1</sup>	1 L	2	2 wk	15.0	05072	Syngenta
<b>Pests</b>								
Aphid	pyrethrins	Pyrethrum 5 EC <sup>4</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
	spirotetramat	Movento (OLA) <sup>6</sup>	0.5 L	2	1 wk 3 wk	7.0	05349	Bayer
	sulfoxaflor	Closer	200 ml	1	1 wk	6.0	05341	Dow
Caterpillar	Bacillus thuringiensis	Lepinox Plus <sup>1</sup>	1 kg	3		-	05254	NAD
	spinosad	Tracer (OLA) <sup>1,2</sup>	200 ml	3	3 d	15.0	02649	Whelehan
	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	2	1 wk	0.6	04084	Syngenta
Cutworm	lambda-cyhalothrin	Karate Zeon (OLA)	75 ml	2	1 wk	0.6	04084	Syngenta
		Karis 10 CS (OLA)	75 ml	2	1 wk		04454	GAT
		Sparviero (OLA)	75 ml	2	1 wk		04469	Unichem

## SPINACH – FIELD

<b>Pests</b>	<b>Chemical</b>	<b>Product</b>	<b>Rate ha</b>	<b>Max No</b>	<b>HI</b>	<b>EU MRL mg/kg</b>	<b>PCS No</b>	<b>Supplier</b>
Flea beetle	pyrethrins	Pyrethrum 5 EC <sup>4</sup>	20 ml in 5 L		1 d	1.0	DR	NAD
Slugs	ferric phosphate	Sluxx	7 kg	4		-	05557	Whelehan
	metaldehyde	Several products				2.0		
<b>Weeds</b>								
Annuals	benfluralin	Bonalan (OLA)	8 L	1		0.02	05763	Unichem
	lenacil	Venzar 500 SC (OLA) <sup>1,5</sup>	0.8			0.1	04805	DuPont
	napropamide	Devrinol (OLA)	0.85 L	1		0.05	05234	Whelehan
Grasses	cycloxydim	Stratos Ultra	1.5-4 L	1	4 wk	2.0	04936	BASF
	fluazifop-p-butyl	Fusilade Max <sup>1</sup>	1.5 L	1	6 wk	0.02	05073	Nufarm

### NOTES

1. Tracer, Lepinox Plus, Zoxis, Amistar, Fusilade Max and Venzar can also be used on spinach beet.
2. Previcur Energy and Tracer can be used on field and protected crops.
3. The maximum number of sprays for Previcur Energy is 2 for protected spinach and 3 for field spinach. The harvest interval is 2 weeks for field spinach and 3 weeks for protected spinach.
4. Pyrethrum 5 EC (PCS 92317) is no longer registered and all remaining stocks must be used by 30 June 2020.
5. A maximum of 1 l/ha of Venzar 500 SC may be applied over a three year period to the one field.
6. The harvest interval for Movento is 1 week for spinach beet and 3 weeks for spinach. Can be used on field and protected spinach beet.

## EXTENSION OF FIELD OF USE

The following **Extensions of Field of Use** are presented here in outline form only. You must be in possession of the relevant Extension of Field of Use before applying the product. Growers need to be aware that off-label uses are applied at their own risk and that the application rates quoted need to be tested for crop safety purposes on a small area first. Proceed with caution in using off-label recommendations on your crops as damage may occur. Always consult your crop adviser before use.

### EXTENSION OF FIELD OF USE

Product name: Acrobat MZ  
Crop: Salad onion  
Use: Downy mildew  
Rate: 2 kg/ha  
Max number of treatments: 5  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Acrobat MZ  
Crop: Leek, lettuce, herbs, baby leaf  
Use: White tip (leek), downy mildew (lettuce, herbs, baby leaf)  
Rate: 2 kg/ha  
Max number of treatments: 3  
Harvest interval: 3 weeks

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Field and protected: celery, herbs  
Use: Botrytis, Rhizoctonia, Sclerotinia  
Rate: 1 l/ha  
Max number of treatments: 4 (1 for protected herbs)  
Latest time of application: 7 days after transplanting (protected herbs)  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Field and protected baby leaf  
Use: Rhizoctonia  
Rate: 1 l/ha  
Max number of treatments: 1 protected baby leaf  
4 field baby leaf  
Latest time of application: 7 days after planting/drilling (protected: lettuce, baby leaf)  
Harvest interval: 2 weeks field baby leaf

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Protected courgette  
Use: Powdery and downy mildew  
Rate: 80 ml in 100 litres of water  
Max number of treatments: 3  
Harvest interval: 3 days

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Parsnip, swede  
Use: Alternaria, powdery mildew  
Rate: 1 l/ha  
Max number of treatments: 4  
Harvest interval: 10 days

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Salad onion  
Use: Downy mildew  
Rate: 1 l/ha  
Max number of treatments: 4  
Harvest interval: 3 weeks

### EXTENSION OF FIELD OF USE

Product name: Amistar  
Crop: Chinese cabbage  
Use: Alternaria, ring spot, white blister  
Rate: 1 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Basagran SG  
Crop: Leek, salad onion, bulb onion  
Use: Weed control  
Rate: 0.4 kg/ha (leek), 0.55 kg/ha (salad onion, bulb onion)  
Max number of treatments: 2  
Harvest interval: 3 weeks (salad onion, bulb onion)

### EXTENSION OF FIELD OF USE

Product name: Benevia  
Crop: Swede  
Use: Cabbage root fly, caterpillar  
Rate: 0.75 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Biscaya  
Crop: Beetroot, carrot, parsnip, swede  
Use: Aphid  
Rate: 0.4 l/ha  
Max number of treatments: 2  
Harvest interval: 1 week



### **EXTENSION OF FIELD OF USE**

Product name: Bonalan  
Crop: Baby leaf, herbs, spinach, swede  
Use: Weed control  
Rate: 8 l/ha  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Bravo 500  
Crop: Bulb onion, salad onion, cauliflower, leek, Brussels sprouts  
Use: Botrytis (bulb onion, salad onion), leaf blotch (leek)  
Ring spot (cauliflower, Brussels sprouts)  
Rate: 2 l/ha  
Max number of treatments: 2 (all the rest), 3 (Brussels sprouts)  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Butisan S  
Crop: Pak choi, Chinese cabbage  
Use: Weed control  
Rate: 1.0 l/ha  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Butisan S  
Crop: Leek  
Use: Weed control  
Rate: 1.5 l/ha  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Calypso  
Crop: Protected: lettuce, herbs, baby leaf. Outdoor: rhubarb, salad onion, leek  
Use: Aphid  
Rate: 0.2 l/ha (alliums), 0.25 l/ha (lettuce, herbs, rhubarb, baby leaf)  
Max number of treatments: 1 (lettuce, herbs,  
Harvest interval: 1 week

### **EXTENSION OF FIELD OF USE**

Product name: Calypso  
Crop: Protected courgette  
Use: Thrips, whitefly  
Rate: 450 ml/ha  
Max number of treatments: 2  
Harvest interval: 3 days

### **EXTENSION OF FIELD OF USE**

Product name: Centurion Max  
Crop: Broad bean, French bean, peas, carrot, parsnip, swede  
beetroot, Brussels sprouts, cabbage, bulb onion  
Use: Weed control  
Rate: 1-2 l/ha  
Max number of treatments: 1  
Harvest interval: Varies

### **EXTENSION OF FIELD OF USE**

Product name: CIPC  
Crop: Garlic, herbs and baby leaf  
Use: Weed control  
Rate: 1.8 l/ha (garlic), 1.9 l/ha (herbs, baby leaf)  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Curator  
Crop: Bulb onion, salad onion  
Use: Botrytis, downy mildew  
Rate: 2.5 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Curenox 50WP  
Crop: Swede  
Use: Downy mildew  
Rate: 1 kg/ha  
Max number of treatments: 6  
Harvest interval: 8 days

### **EXTENSION OF FIELD OF USE**

Product name: Decis  
Crop: Beetroot, carrot, parsnip, leek  
Use: Caterpillar  
Rate: 300 ml/ha (250 ml/ha, leek)  
Max number of treatments: 3  
Harvest interval: 3 days (leek), 3 weeks (beetroot, carrot, parsnip)

### **EXTENSION OF FIELD OF USE**

Product name: Decis Protech  
Crop: Broccoli, Chinese cabbage, bulb onion, carrot, parsnip, beetroot  
Use: Caterpillar, thrip, aphid  
Rate: 500 ml/ha  
Max number of treatments: 2-3  
Harvest interval: 3 days (leek, salad onion), 1 week (baby leaf, herbs)

### EXTENSION OF FIELD OF USE

Product name: Decis Protech  
Crop: Leek, salad onion, baby leaf, herbs  
Use: Caterpillar, thrip, aphid  
Rate: 420 ml/ha  
Max number of treatments: 3  
Harvest interval: 3 days (leek), 3 weeks (beetroot, carrot, parsnip)  
Rate: 4 l/ha  
Max number of treatments: 1  
Harvest interval: 80 days

### EXTENSION OF FIELD OF USE

Product name: Defy  
Crop: Celery  
Use: Weed control  
Rate: 4 l/ha  
Max number of treatments: 1  
Harvest interval: 50 days

### EXTENSION OF FIELD OF USE

Product name: Defy  
Crop: Bulb onion, salad onion, leek  
Use: Weed control  
Rate: 4 l/ha  
Max number of treatments: 1  
Latest time of application: Before 5<sup>th</sup> leaf is visible (bulb onion, leek)  
Before 3<sup>rd</sup> true leaf (salad onion)

### EXTENSION OF FIELD OF USE

Product name: Dithane Dry Flowable  
Crop: Field: lettuce, herbs, field and protected: baby leaf  
Use: Downy mildew, leaf spots, rust  
Rate: 2.1 kg/ha  
Max number of treatments: 4  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Dithane Dry Flowable  
Crop: Carrot, parsnip, beetroot, courgette  
Use: Leaf spots  
Rate: 2.1 kg/ha  
Max number of treatments: 4  
Harvest interval: 3 days (courgette)  
30 days (carrot, parsnip, beetroot)

### **EXTENSION OF FIELD OF USE**

Product name: Dual Gold  
Crop: Brassicas, beetroot, French bean, bulb onion  
Use: Weed control  
Rate: 1.4 l/ha (brassicas, beetroot, bulb onion)  
1 l/ha (French bean)  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Dynamec  
Crop: Protected: lettuce, herbs  
Use: General insect control  
Rate: 50 ml in 100 litres of water  
Max number of treatments: 4  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Escolta  
Crop: Beetroot  
Use: Powdery mildew, leaf spots, rust  
Rate: 0.35 l/ha  
Max number of treatments: 2  
Harvest interval: 3 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Fazor Star  
Crop: Carrot, parsnip  
Use: Growth regulator  
Rate: 5 kg/ha  
Max number of treatments: 1  
Harvest interval: 3 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Flexidor  
Crop: Bulb onion, rhubarb, leek, carrot, parsnip, and garlic  
Use: Weed control  
Rate: 0.15 l/ha (carrot, parsnip)  
0.2 l/ha (bulb onion)  
0.3 l/ha (leek)  
0.4 l/ha (rhubarb)  
Max number of treatments: 1

### **EXTENSION OF FIELD OF USE**

Product name: Folio Gold  
Crop: Bulb onion, salad onion, leek  
Use: Downy mildew (bulb onion, salad onion), white tip (leek)  
Rate: 2 l/ha  
Max number of treatments: 3  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Fortress  
Crop: Beetroot, swede  
Use: Powdery mildew  
Rate: 0.3 l/ha  
Max total dose: 0.4 l/ha  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Gamit  
Crop: Cabbage, cauliflower, broccoli, pak choi, kale, Brussels sprouts, swede, courgette  
Use: Weed control  
Rate: 0.25 l/ha  
Max number of treatments: 1

### EXTENSION OF FIELD OF USE

Product name: Gazelle  
Crop: Swede, field and protected: baby leaf, lettuce, parsley  
Use: Aphid  
Rate: 250 g/ha  
Max number of treatments: 2  
Harvest interval: 3 days (baby leaf, lettuce, parsley)  
2 weeks (swede)

### EXTENSION OF FIELD OF USE

Product name: Globaztar  
Crop: Celery  
Use: Sclerotinia  
Rate: 1 l/ha  
Harvest interval: 10 days (parsnip), 2 weeks (all other crops)

### EXTENSION OF FIELD OF USE

Product name: Goltix 70 SC  
Crop: Parsnip  
Use: Weed control  
Rate: 2 l/ha  
Max total dose: 5 L

### EXTENSION OF FIELD OF USE

Product name: Grisu  
Crop: Broccoli, field and protected: herbs, baby leaf  
Use: Alternaria, Botrytis  
Rate: 1 l/ha (broccoli)  
0.5 l/ha (herbs, baby leaf)  
Max number of treatments: 3  
Harvest interval: 2 weeks (broccoli, protected: herbs, baby leaf)  
3 weeks (field: herbs, baby leaf)

### **EXTENSION OF FIELD OF USE**

Product name: Infinito  
Crop: Cabbage, cauliflower, broccoli, Brussels sprouts, kale, field herbs, field lettuce, field parsley, spinach, leeks, salad onion, bulb onion  
Use: Downy mildew  
Rate: 1.6 l/ha  
Max number of treatments: 1  
Harvest interval: 1 week (bulb onion), 2 weeks (all others)

### **EXTENSION OF FIELD OF USE**

Product name: Insyst  
Crop: Brussels sprouts  
Use: Aphid  
Rate: 250 g/ha  
Max number of treatments: 1  
Harvest interval: 3 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Jupital  
Crop: Brussels sprouts, cauliflower, leek, bulb onion, salad onion  
Use: Alternaria, ring spot  
Rate: 2 l/ha  
Max number of treatments: 2 (cauliflower, leek, bulb onion, salad onion), 3 (sprouts)  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Karate Zeon  
Crop: Field celery  
Use: Carrot fly  
Rate: 50 ml/ha  
Max total dose: 150 ml/ha  
Max number of treatments: 4  
Harvest interval: 1 week

### **EXTENSION OF FIELD OF USE**

Product name: Karate Zeon  
Crop: Beetroot, swede  
Use: Caterpillar, cutworm  
Rate: 150 ml/ha  
Max total dose: 450 ml  
Max number of treatments: 4  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Karate Zeon  
Crop: Herbs, spinach, baby leaf  
Use: Caterpillar, cutworm  
Rate: 75 ml/ha  
Max total dose: 150 ml  
Max number of treatments: 4  
Harvest interval: 1 week

### EXTENSION OF FIELD OF USE

Product name: Karate Zeon  
Crop: Bulb onion, salad onion, leek  
Use: Caterpillar, cutworm  
Rate: 75 ml/ha (bulb onion, salad onion), 100 ml/ha (leek)  
Max number of treatments: 2 (salad onion, leek), 3 (bulb onion)  
Harvest interval: 1 week (leek), 2 weeks (salad onion), 3 weeks (bulb onion)

### EXTENSION OF FIELD OF USE

Product name: Karis 10 CS  
Crop: Herbs, spinach, celery, beetroot, swede, baby leaf  
Use: Caterpillar, cutworm  
Rate: 50 ml/ha (celery)  
75 ml/ha (herbs, spinach, beetroot, swede, baby leaf)  
Max total dose: 150 ml  
Max number of treatments: 4  
Harvest interval: 1 week (herbs, spinach, celery, baby leaf)  
2 weeks (beetroot, swede)

### EXTENSION OF FIELD OF USE

Product name: Karma  
Crop: Protected courgette, protected and field lettuce  
Use: Powdery mildew  
Rate: 8 kg/ha  
Max number of treatments: 8  
Harvest interval: 1 day

### EXTENSION OF FIELD OF USE

Product name: Kerb Flo  
Crop: Field and protected: lettuce, herbs, baby leaf  
Use: Weed control  
Rate: 1.875 l/ha (all crops), 3.5 l/ha (field herbs)  
Max number of treatments: 1  
Harvest interval: 24 days (all crops at 1.875 l/ha)  
6 weeks (field herbs at 3.5 l/ha)

### EXTENSION OF FIELD OF USE

Product name: Lentagran WP  
Crop: Broccoli, cauliflower, kale, leek, salad onion, Chinese cabbage  
Use: Weed control  
Rate: 2 kg/ha  
Max number of treatments: 1  
Harvest interval: 4 weeks (leek)  
6 weeks (broccoli, cauliflower, kale, leek)

### EXTENSION OF FIELD OF USE

Product name: Lepinox Plus  
Crop: Field: baby leaf, broad bean, leek, pea, rhubarb, swede  
Protected: French bean, courgette, salad onion, baby leaf  
Use: Caterpillar  
Rate: 1 kg/ha  
Max number of treatments: 3

### EXTENSION OF FIELD OF USE

Product name: Manfil 75 WG  
Crop: Salad onion  
Use: Downy mildew  
Rate: 2.1 kg/ha  
Max number of treatments: 4  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Microthiol Special  
Crop: Beetroot, parsnip, protected herbs  
Use: Powdery mildew  
Rate: 10 kg/ha (beetroot)  
10 g in 5 litres of water (herbs, parsnip)  
Max number of treatments: 2

### EXTENSION OF FIELD OF USE

Product name: Movento  
Crop: Chinese cabbage, swede, parsnip, spinach, field and protected:  
baby leaf, herbs, spinach beet, courgette; protected courgette  
Use: Aphid  
Rate: 0.5 l/ha  
Max number of treatments: 2  
Harvest interval: 3 days (Chinese cabbage), 1 week (herbs, spinach beet, baby leaf), 2 weeks (courgette), 3 weeks (spinach, parsnip, swede)

### EXTENSION OF FIELD OF USE

Product name: Nativo 75 WG  
Crop: Parsnip, celery, leeks, salad onion and swedes  
Use: Alternaria, powdery mildew, rust, leaf spot  
Rate: 0.3 kg/ha, 0.36 kg/ha (leeks, salad onion, swedes)  
Max number of treatments: 1 (leeks, salad onion), 2 (swede), 3 (parsnip, celery)  
Harvest interval: 3 weeks



### **EXTENSION OF FIELD OF USE**

Product name: Paraat  
Crop: Protected: lettuce, herbs, baby leaf  
Use: Downy mildew  
Rate: 0.36 kg/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Penncozeb WDG  
Crop: Salad onion  
Use: Downy mildew  
Rate: 2.1 kg/ha  
Max number of treatments: 4  
Harvest interval: 4 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Pilot Ultra  
Crop: Swede, carrot, parsnip, peas  
Use: Weed control  
Rate: 2.5 l/ha  
Harvest interval: 35 days (peas), 40 days (carrot), 60 days (swede, parsnip)

### **EXTENSION OF FIELD OF USE**

Product name: Plenum WG  
Crop: Field and protected: lettuce, herbs, baby leaf  
Use: Aphid  
Rate: 400 g/ha  
Max number of treatments: 3  
Harvest interval: 1 week (field crops)  
2 weeks (protected crops)

### **EXTENSION OF FIELD OF USE**

Product name: Plenum WG  
Crop: Protected courgette  
Use: Aphid  
Rate: 400 g/ha  
Max number of treatments: 3  
Harvest interval: 3 days

### **EXTENSION OF FIELD OF USE**

Product name: Plenum WG  
Crop: Field and protected: Chinese cabbage, kale. Field celery.  
Use: Aphid  
Rate: 400 g/ha  
Max number of treatments: 3  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Previcur Energy  
Crop: Protected: courgette, herbs, spinach, baby leaf  
Use: Damping off  
Rate: 3 ml/m<sup>2</sup> (drench)  
Max number of treatments: 2  
Latest time of treatment: Pre transplanting

### EXTENSION OF FIELD OF USE

Product name: Previcur Energy  
Crop: Field and protected spinach, protected herbs  
Use: Downy mildew  
Rate: 2.5 l/ha (foliar spray)  
Max number of treatments: 2 (protected), 3 (field)  
Harvest interval: 2 weeks (field)  
3 weeks (protected)

### EXTENSION OF FIELD OF USE

Product name: Pyramin  
Crop: Onion, salad onion  
Use: Weed control  
Rate: 1.4 kg/ha  
Max number of treatments: 1

### EXTENSION OF FIELD OF USE

Product name: Reflect  
Crop: Parsnip, swede, beetroot  
Use: Leaf diseases  
Rate: 1 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Revus  
Crop: Field and protected: courgette  
Use: Downy mildew  
Rate: 0.6 l/ha  
Max number of treatments: 2 (field courgette)  
4 (protected courgette)  
Harvest interval: 3 days (protected courgette), 1 week (field courgette)

### EXTENSION OF FIELD OF USE

Product name: Ridomil Gold MZ 68 WG  
Crop: Broccoli, cauliflower  
Use: Downy mildew, white blister  
Rate: 2 kg/ha  
Max number of treatments: 2  
Harvest interval: 30 days

### EXTENSION OF FIELD OF USE

Product name: Ridomil Gold MZ 68 WG  
Crop: Cabbage, salad onion  
Use: White blister (cabbage), downy mildew (salad onion)  
Rate: 1.5 kg/ha  
Max number of treatments: 3  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Ridomil Gold MZ 68 WG  
Crop: Protected: lettuce, herbs, baby leaf  
Use: Downy mildew  
Rate: 1.9 kg/ha  
Max number of treatments: 2 for summer crops, 3 for autumn and winter crops  
Harvest interval: 5 weeks

### EXTENSION OF FIELD OF USE

Product name: Rovral WG  
Crop: Broccoli, storage cabbage, field and protected: baby leaf, herbs  
Use: Alternaria (baby leaf, broccoli, storage cabbage), Botrytis (herbs)  
Rate: 0.67 kg/ha (broccoli)  
67 g in 100 litres of water (storage cabbage)  
33 g in 100 litres of water (baby leaf, herbs)  
Max number of treatments: 3 (1 for storage cabbage)  
Harvest interval: 2 weeks (baby leaf, broccoli, protected herbs), 3 weeks (field herbs)

### EXTENSION OF FIELD OF USE

Product name: Scala  
Crop: Field and protected: lettuce, herbs  
Use: Botrytis  
Rate: 1.33 l/ha  
Max number of treatments: 3  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Score 250 EC  
Crop: Celery, carrot, parsnip, field lettuce  
Use: Leaf spot  
Rate: 0.5 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Score 250 EC  
Crop: Beetroot, swede  
Use: Leaf spot, powdery mildew, rust  
Rate: 0.5 l/ha  
Max number of treatments: 1  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Score 250 EC  
Crop: Chinese cabbage  
Use: Alternaria, ring spot  
Rate: 0.5 l/ha  
Max number of treatments: 2  
Harvest interval: 3 weeks

### EXTENSION OF FIELD OF USE

Product name: Sencorex Flow  
Crop: Carrot  
Use: Weed control  
Rate:  
1<sup>st</sup> application 85 ml/ha at cotyledons unfolded and growing point visible  
2<sup>nd</sup> application 170 ml/ha at second to fourth true leaf unfolded  
3<sup>rd</sup> application 255 ml/ha at fourth to sixth true leaf unfolded  
Max total dose: 510 ml/ha  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Serenade ASO  
Crop: All crops  
Use: Disease control  
Rate: 10 l/ha  
Max number of treatments: 20  
Harvest interval: 0 days

### EXTENSION OF FIELD OF USE

Product name: Signum  
Crop: Parsnip, kale, Chinese cabbage  
Use: Powdery mildew, white blister  
Rate: 1 kg/ha  
Max number of treatments: 2 (parsnip), 3 (kale, Chinese cabbage)  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Signum  
Crop: Salad onion, courgette  
Field and protected: herbs, baby leaf  
Use: White rot, botrytis, Rhizoctonia, scab, powdery mildew  
Rate: 1.5 kg/ha (salad onion, courgette, herbs, baby leaf)  
Max number of treatments: 2  
Harvest interval: 1 day (courgette), 2 weeks (salad onion, herbs, baby leaf)

### EXTENSION OF FIELD OF USE

Product name: SL 567A  
Crop: Parsnip  
Use: Cavity spot  
Rate: 1.3 l/ha  
Max number of treatments: 1  
Latest time of application: Not later than 6 weeks after drilling

### EXTENSION OF FIELD OF USE

Product name: Sparviero  
Crop: Celery  
Use: Carrot fly  
Rate: 50 ml/ha  
Max total dose: 150 ml/ha  
Latest time of application: 1 week

### EXTENSION OF FIELD OF USE

Product name: Sparviero  
Crop: Swede, herbs, spinach, beetroot, baby leaf  
Use: Caterpillar, cutworm  
Rate: 75 ml/ha  
Max total dose: 150 ml  
Harvest Interval: 1 week (herbs, spinach, baby leaf)  
2 weeks (beetroot, swede)

### EXTENSION OF FIELD OF USE

Product name: Starane High-Load HL  
Crop: Onion, leek  
Use: Weed control  
Rate: 0.3 l/ha (onion)  
0.18 l/ha (leek)  
Max number of treatments: 1 (onion), 5 (leek)

### EXTENSION OF FIELD OF USE

Product name: Steward  
Crop: Brussels sprouts  
Use: Caterpillar  
Rate: 85 g/ha  
Max number of treatments: 3  
Harvest interval: 1 day

### EXTENSION OF FIELD OF USE

Product name: Stomp Aqua  
Crop: Celery, rhubarb, salad onion, herbs, baby leaf  
Use: Weed control  
Rate: 2.2 l/ha (herbs)  
2.9 l/ha (all other crops)  
Max number of treatments: 1  
Latest time of application: Pre crop emergence

### EXTENSION OF FIELD OF USE

Product name: Stomp Aqua  
Crop: Lettuce  
Use: Weed control  
Rate: 3.3 l/ha  
Max number of treatments: 1  
Latest time of application: 6 weeks pre harvest

## EXTENSION OF FIELD OF USE

Product name: Stratos Ultra  
Crop: Baby leaf, beetroot, parsley, herbs  
Use: Weed control  
Rate: 4 l/ha  
Max number of treatments: 1  
Latest time of application: 4 weeks ( baby leaf, parsley, herbs)  
8 weeks beetroot

## EXTENSION OF FIELD OF USE

Product name: Sumi-Alpha  
Crop: Cauliflower, broccoli, Brussels sprouts, cabbage, vining peas  
Use: Aphid, caterpillar  
Rate: 165 ml/ha (brassicas), 330 ml/ha (vining peas)  
Max number of treatments: 1 (vining peas), 2 (brassicas),  
Harvest interval: 1 week (brassicas), 2 weeks (vining peas)

## EXTENSION OF FIELD OF USE

Product name: Sumi-Alpha  
Crop: Chinese cabbage, kale  
Use: Aphid  
Rate: 165 ml/ha  
Max number of treatments: 2  
Harvest interval: 1 week

## EXTENSION OF FIELD OF USE

Product name: Sumimax  
Crop: Carrot, parsnip, bulb onion, vining peas  
Use: Weed control  
Rate: 100 ml/ha  
Max number of treatments: 1  
Harvest interval: 4 weeks (carrot, parsnip)  
6 weeks (bulb onion, vining peas)

## EXTENSION OF FIELD OF USE

Product name: Switch  
Crop: Field: baby leaf, salad onion, lettuce, celery  
Protected: baby leaf, courgette, lettuce,  
Use: Botrytis, leaf spot, sclerotinia  
Rate: 0.7 kg/ha (field and protected: lettuce, baby leaf)  
0.8 kg/ha (protected courgette)  
1.0 kg/ha (field salad onion, celery)  
Max number of treatments: 2 (field and protected baby leaf, lettuce, celery)  
3 (field salad onion and protected courgette)  
Harvest interval: 3 days (protected courgette)  
1 week (field and protected: baby leaf, lettuce types)  
2 weeks (celery)  
3 weeks (salad onion)

### **EXTENSION OF FIELD OF USE**

Product name: Switch  
Crop: Beetroot, carrot, parsnip  
Use: Alternaria, Sclerotinia  
Rate: 1 kg/ha  
Max number of treatments: 3  
Harvest interval: 1 week

### **EXTENSION OF FIELD OF USE**

Product name: Systhane  
Crop: Protected lettuce  
Use: Leaf spots  
Rate: 0.3 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### **EXTENSION OF FIELD OF USE**

Product name: Teldor  
Crop: Field and protected: lettuce, herbs, baby leaf  
Use: Botrytis  
Rate: 1.5 kg/ha  
Max number of treatments: 2  
Harvest interval: 3 days

### **EXTENSION OF FIELD OF USE**

Product name: Teldor  
Crop: Protected courgette  
Use: Botrytis  
Rate: 1 g per litre of water  
Max number of treatments: 3  
Harvest interval: 1 day

### **EXTENSION OF FIELD OF USE**

Product name: Tracer  
Crop: Kale, field and protected: spinach, spinach beet, baby leaf, herbs, lettuce  
Use: Caterpillar  
Rate: 200 ml/ha  
Max number of treatments: 3 (all others), 4 (kale)  
Harvest interval: 3 days

### **EXTENSION OF FIELD OF USE**

Product name: Tracer  
Crop: Kale transplants  
Use: Cabbage root fly  
Rate: 12 ml per 1000 plants  
Max number of treatments: 1

### EXTENSION OF FIELD OF USE

Product name: Valbon  
Crop: Bulb onion  
Use: Downy mildew  
Rate: 1.6 kg/ha  
Max number of treatments: 6  
Harvest interval: 4 weeks

### EXTENSION OF FIELD OF USE

Product name: Venzar 500 SC  
Crop: Spinach, spinach beet, chard, beetroot, celeriac, swede, turnip  
Use: Weed control  
Rate: 0.4 l/ha (beetroot, celeriac, swede)  
0.8 l/ha (spinach, spinach beet, chard)  
Max number of treatments: 1  
Latest time of application: Pre emergence

### EXTENSION OF FIELD OF USE

Product name: Vertik  
Crop: Bulb onion, salad onion  
Use: Botrytis, downy mildew  
Rate: 2 l/ha  
Max number of treatments: 2  
Harvest interval: 2 weeks

### EXTENSION OF FIELD OF USE

Product name: Vivando  
Crop: Protected courgette  
Use: Powdery mildew  
Rate: 0.2 l/ha  
Max number of treatments: 2  
Harvest interval: 3 days

### EXTENSION OF FIELD OF USE

Product name: Vydate 10G  
Crop: Beetroot, swede  
Use: Eelworm (nematodes)  
Rate: 90 g per 100 m of row  
Max number of treatments: 1  
Latest time of application: At drilling

### EXTENSION OF FIELD OF USE

Product name: Wing P  
Crop: Cabbage, broccoli, Brussels sprouts, cauliflower, herbs, leek, bulb onion, salad onion, lettuce  
Use: Weed control  
Rate: 4 l/ha (Brassicas and Alliums)  
1.25 l/ha (herbs, lettuce)  
Max number of treatments: 1 (split application for direct drilled Alliums)  
Latest time of application: Pre emergence or pre planting  
Harvest interval: 5 weeks (herbs, lettuce)



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## **Commentary on 2018**

### **Defunct chemicals**

During 2018 we lost Rovral, Corbel, Totril, linuron and all cypermethrin based products.

### **Corbel**

The MRL for fenpropimorph the active in Corbel was reduced to the limit of detection and the PCS decided to withdraw it from all uses bar cereals from 3 December 2018.

### **Nativo**

The off-label was rereleased. It has retained parsnip and added in celery, salad onion and swede; leeks have been dropped from the full label but reinstated via the off-label. The most significant change on the Nativo off-label is the use on celery for leaf spot control - important addition given we only had Score and Switch prior to this.

### **Decis**

Decis has been reformulated and is now called **Decis Protech**. The new product is lower strength in comparison to the old. There is a new off-label for the Protech version. A wide range of crops are covered by the on- and off-labels so please consult the relevant documents for details. Good to see that both broccoli and lettuce are included on the labels.

### **Amistar Top**

A new off-label added lettuce, parsley, celery, courgette, Chinese cabbage, swede, beetroot, parsnip, salad onion, broad bean and vining peas to an already extensive on-label list.

### **Basagran**

The reformulated Basagran SG off-label now includes bulb onion, garlic and shallot in addition to the previously covered leek and salad onion.

### **Pyrethrum 5EC**

This product has been reregistered. The new label covers far fewer crops than the old: just protected tomato, pepper, aubergine, cucumber and courgette. The old label will remain on sale until 30 June 2019 and must be used by 30 June 2020.

### **Tebuconazole**

This active has been withdrawn for future use on vegetable crops. The use-by date is 30 June 2020. Products include Fezan and Riza.

### **Butisan**

Take note that the revised Butisan (PCS 04361) label rate for broccoli has been reduced to 1.0 l/ha.

### **Lambda-cyhalothrin**

Following a change of the MRL for lambda-cyhalothrin on lettuce, products containing this active can no longer be used on outdoor lettuce.

### **Plenum**

This well established aphicide was revoked on 30 April 2019 with a final use-by date of 30 January 2020. Apparently anything that could be wrong with it was wrong with it e.g. non target organisms, ground water etc.

### **Thiram**

Thiram seed dressing was revoked on 30 April 2019 and all treated seed must be sown by 30 January 2020.

### **Pyramin**

Pyramin was deregistered as BASF withdrew support for the active.

### **Emerger**

This is a replacement chemical for linuron. It's a residual herbicide based on aclonifen. The label covers potatoes, peas and beans and off-label uses are: carrot, parsnip, onion, garlic and parsley.

**Changes made since March 2018 edition:**

1. Benevia added to carrot, parsnip, onion, salad onion, cabbage, cauliflower, broccoli and sprouts.
2. Amistar Opti (OLA) removed from bulb onion and salad onion following reregistration.
3. Basagran SG (OLA) added to bulb onion.
4. Centurion Max (OLA) added to peas, carrot, parsnip, swede, turnip, beetroot, Brussels sprouts, cabbage and salad onion.
5. Anthem (OLA) removed from kale.
6. All cypermethrin products removed from brassicas, beetroot and vining pea.
7. Stratos Ultra (PCS 91348) removed from Brussels sprouts, cabbage, broad beans, leek, onions, parsnip, pea and carrot.
8. Afalon and Datura removed from carrot, celery, herbs and parsnip.
9. All iprodione products removed from brassicas, baby leaf, herbs, lettuce, bulb onion, salad onion.
10. Totril removed from leek, salad onion and bulb onion.
11. Coragen (OLA) removed from swede, field lettuce
12. Lingo removed from vining pea.
13. Butisan (PCS 90342) removed from brassicas
14. Amistar and Globaztar gone from off-label to on-label for field and protected lettuce.
15. Calypso (OLA) removed from cabbage and kale.
16. Calypso (OLA) added to protected lettuce, protected herbs, protected baby leaf, rhubarb, salad onion and leek.
17. Biscaya (OLA) harvest interval for swede changed from 1 to 5 weeks and on beetroot from 1 to 2 weeks.
18. Biscaya (OLA) added to kale and Chinese cabbage.
19. Karma (OLA) added to protected courgette, protected and outdoor lettuce.
20. Nativo OLA (PCS 04642) added to celery, salad onion, and swede.
21. Nativo (PCS 03226) removed from leek and parsnip and replaced with Nativo OLA (PCS 04642).
22. Decis Protech (OLA) added to protected lettuce, broccoli, bulb onion, salad onion, leek, carrot, parsnip, beetroot, baby leaf, herbs and Chinese cabbage.
23. Decis Protech added to broad bean, vining pea, cauliflower, cabbage, Brussels sprouts, swede and outdoor lettuce.
24. Infinito (OLA) PCS number updated to 04309.
25. Amistar Top (OLA) added to lettuce, celery, courgette, Chinese cabbage, swede, beetroot, parsnip, salad onion, bulb onion, broad bean and vining peas.
26. Pyrethrum 5EC (PCS 06255) added to protected courgette.
27. Corbel removed from beetroot, carrot, leek, parsnip and swede.
28. Movento (PCS 04101) deregistered on brassica, carrot and lettuce.
29. Flexidor (OLA) added to carrot and parsnip.
30. Venzar Flowable (OLA) removed from spinach.
31. Croplink Tebuconazole removed from cabbage, swede, carrot, leek and parsnip.
32. Folicur removed from brassica, carrot, leek, salad onion and parsnip.
33. Pilot Ultra (PCS 02445) OLA removed from swede and beetroot.
34. Fezan (PCS 03639) and Riza (PCS 02429) deregistered on brassica, carrot, leek and parsnip.
35. Globaztar (OLA) removed from cabbage, cauliflower and parsnip.
36. All lambda-cyhalothrin products removed from lettuce.
37. Emerger added to broad and French bean.
38. Met 52 added to alliums and protected courgette.
39. Pyrethrum 5 EC (PCS 92317) deregistered on multiple crops.
40. Devrinol (PCS 04632) deregistered from brassicas.
41. Devrinol (PCS 05234) OLA added to swede.
42. Hurricane (OLA) added to carrot and parsnip.
43. Globaztar added to salad onion.
44. Az-Tec added to brassicas, broad bean, carrot, leek, lettuce, onion and pea.
45. Fenomenal (OLA) removed from spinach and outdoor and protected lettuce.
46. Revus added to broccoli, spinach and perpetual spinach.
47. SluXX HP PCS number changed.
48. Lentagran (OLA) added to salad onion and Chinese cabbage.
49. Pyramin deregistered from beetroot.









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