Barclay
CROP PROTECTION

Cypersect XL

An Emulsifiable Concentrate containing 100 g/l (10.8% w/w) cypermethrin

For the control of a wide range of insect pests in agricultural and horticultural crops

FOR USE ONLY AS AN AGRICULTURAL / HORTICULTURAL INSECTICIDE
PROFESSIONAL USE ONLY
READ CAREFULLY THE RECOMMENDATIONS FOR USE PROVIDED WITH THIS CONTAINER

RISK AND SAFETY INFORMATION

Irritating to eyes and skin.
Flammable
Toxic to aquatic organisms, May cause long term adverse effects in the aquatic environment.

IRRITANT

DANGEROUS FOR THE ENVIRONMENT

Wear suitable protective gloves and face protection (faceshield) when handling the concentrate.
After contact with skin or eyes, wash immediately with plenty of water.
Do not breathe spray.
When using do not eat, drink or smoke.
Wash hands and exposed skin before meals and after work.
Keep away from food, drink and animal feeding stuffs.
Keep out of reach of children.
Extremely dangerous to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.
Do not allow direct spray from ground-based vehicle-mounted/drawn sprayers to fall within 5m of the top of the bank of a static or flowing water body, or within 1m of the top of a ditch which is dry at the time of application; do not allow direct spray from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body; direct spray away from water.
Dangerous to bees. Do not apply to crops in flower or to those in which bees are actively foraging except as directed on peas.
Do not apply when flowering weeds are present.
Keep in original container, tighly closed, in a safe place.

Safety data sheet available for professional users on request.
To avoid risks to man and environment, comply with the instructions for use.

PCS No: 90170

PROTECT FROM FROST

In case of emergency contact the Poisons Information Center Tel: +353 1 8092566 or +353 1 8379964
Wash out container thoroughly, empty washings into spray tank and dispose of safely.

Marketing Company: Barclay Chemicals Manufacturing Ltd., Damastown Way, Damastown Industrial Park, Mulhuddart, Dublin 15, Ireland Tel: +353 1 8112900
Fax: +353 1 8224678 E-mail: info@barclay.ie Website: www.barclay.ie

Approval Holder: Agriphar SA - Rue de Renory 26/1- 4102 Ougrée - Belgique.

DIRECTION FOR USE

Crop	Pests	Timing / Method	Rate
Winter wheat Durum wheat Winter barley Winter oats Rye Triticale	Aphid vectors of barley yellow dwarf virus (BYDV). Inspect for aphids on warmer days.	HIGH BYDV RISK AREAS Crops drilled before mid-September: Spray in mid-October or upon finding aphid in the crop. Crops drilled mid-September to mid-October: Spray end of October to early- November. AVERAGE BYDV RISK AREAS Spray end-October to early November if 5% of barley plants or 10% of wheat plants are infested with aphid or upon official warnings.	250 ml/ha in minimum 200 l/ha water.
Winter Wheat	Yellow cereal fly (Opomyza florum)	Spray at egg hatch usually end-January to early-February.	250 ml/ha in minimum 200 l/ha water
Wheat, durum Wheat, winter or spring Barley, winter or spring Oats, winter or spring Triticale Winter rye	Aphid vectors of BYDV	If aphids carrying BYDV persist into the spring on winter crops treatment up to the end of tillering may be economic; early treatment will give the best results. Early-sown spring crops may be infected with aphids carrying BYDV. For crops at risk spray at the 2-3 leaves stage GS 12-13.	250 ml/ha in minimum 200 l/ha water.
	Aphid in spring or summer	Spray if threshold levels of aphids on the ear are reached or upon professional advice.	250 ml/ha in minimum 200 l/ha water.
Winter oilseed rape	Cabbage stem flea beetle	Adults: Spray, if necessary, as soon as a severe attack occurs. Larvae: Spray in late October/November when 5 or more larvae are found per plant. Egg hatch may be delayed by cold weather in some seasons. Repeat if necesary in the spring, but before flowering.	250 ml/ha in minimum 300 l/ha water. Add an authorised non-ionic wetting agent at the recommended rate.
	Rape winter stem weevil	Some control of this pest is obtained coincident with applications to control cabbage stem flea beetle, but for more specific control spray in late November in areas subject to attack or as soon as eggs or larvae are found.	
Field bean	Pea and bean weevil	Spray in April/May at the onset of feeding (leaf notching) by adult weevils. This treatment will reduce the number of eggs laid, but will not control larvae in the root nodules.	250 ml/ha in 200 l/ha water
Pea	Pea moth With coincident partial control of pea aphid*	Time treatments to pea crops in flower according to official warnings or counts in pheromone traps. A maximum two applications may be made to peas harvested dry; the second 10-14 days after the first. Only one application may be made to vining peas. Avoid spraying flowering crops in the heat of the day when bees are particularly active.	250 ml/ha in 400-600 l/ha water.
Broccoli Brussels sprout Cabbage Cauliflower	Caterpillar Whitefly	Spray as soon as pest is seen. Repeat as necessary. Gives coincident partial control of mealy aphid*.	250 ml/ha in 400-600 l/ha water . Add an authorised non-ionic wetting agent at the recommended rate.
Celery Potato (seed and ware) Sugar beet Fodder beet Mangolds	Cutworms	Spray according to official warnings at the egg hatch stage. Repeat 10-14 days later.	250 ml/ha in 600-1000 l/ha water.
Re-seeded grass leys	Frit fly	If the crop is at risk, spray at seedling emergence before crop damage occurs.	250 ml/ha in minimum 200 l/ha water.

Crop	Pests	Timing / Method	Rate
Apple	Tortrix moth Winter moth	Spray at green cluster.	140-280 ml/ha in 200 l/ha water .
	Aphid Apple sucker #	Spray at green cluster.	280 ml/ha in 200 l/ha water. # Use 350 ml if apple sucker is a problem.
	Sawfly Capsid Codling moth Summer tortrix	Spray at 80% petal fall. Spray just before the earliest eggs hatch (mid-late June). Repeat after 3 weeks or as indicated by moth traps.	280 ml/ha in 200 l/ha water
Pear	Sucker	Spray at bud burst to white bud. Spray post-blossom if suckers have become numerous and repeat 14 days later if necessary.	350 ml/ha in 1000 l/ha water.
	Capsid Tortrix moth	Spray post-blossom if necessary.	280 ml/ha in 200 l/ha water.
Cherry Plum	Winter moth Tortrix moth	Make up to two applications up to white bud stage.	280 ml/ha in 200 l/ha water.
Strawberry (outdoor)	Capsids Tortrix caterpillars	Spray shortly before flowering. Repeat from 2nd generation of tortrix after cropping if required.	280 ml/ha in minimum 300 l/ha water.
Hop	Damson-hop aphid	Spray when aphids first appear on the hops and repeat at 10-14 day at intervals.	Early season sprays: 350 ml/ha in 500 l/ha water . Mid-season sprays: 525 ml/ha in 1000 l/ha water. Late season sprays: 700 ml/ha in 1000-1500 l/ha water .
Ornamentals (outdoor and protected)	Aphid Capsids Caterpillar Cutworm Leaf miners Thrips Whitefly	Spray when pest seen and repeat as necessary. Do not spray open flowers.	250 ml/ha in 400-1000 l/ha water See Other Specific Restrictions

* Add a specific aphicide for a higher level of control.

KNAPSACK RATE ESTIMATOR	
Using standard nozzles appropriately calibrated, each litre will treat 40m² (250ml/hectare Barclay Cypersect XL in 200 Litre/hectare water)	
BARCLAY CYPERSECT XL recommendation:	**BARCLAY CYPERSECT XL required per litre spray solution**
General use	1.25 ml / 1L water

Mixing
Half fill the spray tank with clean water and start the re-circulation system. Pour the required quantity of Barclay Cypersect XL into the spray tank and non-ionic wetting agent, if recommended. Top up the spray tank with water to the required level. Continue agitation before and during use. RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

Application
Apply as a MEDIUM spray at 2-3 bar (30-40 psi). Use the higher recommended water volumes when the foliage is dense. Position spray nozzles to cover the crop leaves evenly and thoroughly. Spray booms fitted with drop-legs may enhance efficacy in some crops e.g. Brussels sprout.

Harvest Interval
A zero day harvest interval applies to all recommended crops unless otherwise indicated.

Integrated Pest Control Systems
The use of Barclay Cypersect is compatible with integrated pest control systems.

Compatibility
Barclay Cypersect is compatible in a two-way tank mixture with the following approved formulations.
Follow all the recommendations of the partner product. Spray immediately after mixing.

	PCS No.
Carbendazim	91309
Fenpropimorph	90438
Mecroprop	Approved salt formulations
Pirimicarb	90070
Propyzamide	04006
Non-ionic wetter	approved formulation

Varietal Tolerance
Test spray new varieties or rare or unusual plants and verify the safety of the product before treating larger areas.

Processed Crops
Consult processors before treating crops intended for processing.

Resistance
Where strains of pests resistant to the pyrethroid insecticides develop, Barclay Cypersect XL will be less effective. Consult your advisor.

Notes
For damson-hop aphid, wherever possible use different active ingredients in a programme of treatments.

Resistant strains of tobacco whitefly are also known to occur.

Care of Sprayer
After each days use, wash out the sprayer thoroughly with water and wetting agent using standard procedures.