

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the product label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

1. RESTRICTIONS/WARNINGS

Take care to avoid local overdoing.
Do not make more than one application of PROPER FLO within 9 months to the same area of land.

2. SOIL TYPES

PROPER FLO can be used on all soil types with the following exceptions:
1. Do not use on soils containing more than 10% organic matter.
2. Do not use on winter field beans grown in certain soil types. See RECOMMENDATIONS.

Soil texture (85 system)	
Textural group	Textural class
Sands	Coarse sand, sand, fine sand, loamy coarse sand
Very light soils	Loamy sand, loamy fine sand, coarse sandy loam
Light soils	Sandy loam, fine sandy loam, sandy silt loam, silt loam (85)
Medium soils	Sandy clay loam, clay loam, silty clay loam
Heavy soils	Sandy clay, clay, silty clay

3. SOIL AND WEATHER CONDITIONS

PROPER FLO requires moisture for root uptake. Best residual action is obtained in moist soils of fine tilth. PROPER FLO can be applied under frosty conditions but should not be used where run-off from the soil surface is likely.

Best results are achieved when growth of weeds (especially black-grass and volunteer cereals) is slow, but transpiration continues. In mild autumns/winters, emerged weeds may take longer to be controlled, the residual activity of PROPER FLO will be shortened and overall control may be reduced.

The efficacy of PROPER FLO may be reduced in organic soils and in the presence of excessive surface organic debris, burnt straw, ash or ploughed-up turf.
In winter field beans ensure a firm seedbed before spraying.

4. RESISTANCE

Strains of some annual grasses (eg black-grass, wild oats, Italian ryegrass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from your distributor, crop adviser or product manufacturer.

5. CROP INFORMATION

In the recommendation tables which follow:
S = Susceptible MS = Moderately susceptible MR = Moderately resistant R = Resistant

Water volume
Apply PROPER FLO in 200 to 1000 litres of water per hectare in winter oilseed rape, winter field beans, lucerne. Apply in 400 to 1000 litres of water per hectare in all other crops. Ensure good ground cover.

Winter oilseed rape
PROPER FLO can be applied after the use of an approved specific graminicide applied in accordance with the manufacturer's recommendations.

Miscellaneous, including seed crops and lettuce
See RECOMMENDATIONS.

Processed crops
No taints have been detected in tests with treated field crops. Consult your processor before use.

RECOMMENDATIONS FOR AGRICULTURAL CROPS

Crop	Rate	Weed Species	Weed growth stage		
			Germi-nating	2 leaf stage	Esta-blished
Oil seed rape	1.25 l/ha*	Wild oat, volunteer cereals, annual meadow-grass	S	S	S
		Small nettle, speedwells, redshank, fat-hen, black nightshade, black-bindweed	S	-	-
		Black-grass	S	S	MS
	1.75 l/ha	Wild oat, volunteer cereals, barren brome, annual meadow-grass	S	S	S
		Black-bindweed, black nightshade, fat-hen, speedwells, small nettle, knotgrass, redshank, common chickweed	S	-	-
		Cleavers, Field forget-me-knot	MS	-	-
2.1 l/ha	Wild oat, volunteer cereals, annual meadow-grass	S	S	S	
	Small nettle, speedwells, redshank, fat-hen, black nightshade, black-bindweed	S	-	-	
	Cleavers	MS	-	-	
Winter field bean	2.1 l/ha	Wild oat, volunteer cereals, barren brome, annual meadow-grass	S	S	S
		Cleavers	MS	-	-
		Blackgrass	S	S	MS
		Small nettle, speedwells, common chickweed, redshank, fat-hen, black nightshade, black-bindweed, knotgrass	S	-	-
Lucerne	1.75 l/ha	Wild oat, volunteer cereals, barren brome, annual meadow-grass	S	S	S
		Cleavers	MS	-	-
		Blackgrass	S	S	MS
	3.5 l/ha (3.5 ml/10m ²)	Small nettle, speedwells, common chickweed, redshank, fat-hen, black nightshade, black-bindweed, knotgrass	S	-	-
		Common couch, common bent, sweet vernal grass, tufted hair grass, Yorkshire fog and other perennial grasses	S	-	-
		Cocks foot	S	-	-
Lettuce (outdoor), forest, forest nursery, outdoor woody ornamentals, thubarb & pome fruit orchards	3.5 l/ha (3.5 ml/10m ²)	Sedges	MS	-	-
		Field horsetail	MS	-	-
		Creeping soft grass	S	-	-
		Foxglove, willowherb	R	-	-

Forest, forest nursery, outdoor woody ornamentals, rhubarb & pome fruit orchards	4.25 l/ha (4.25 ml/10m ²)	Perennial grasses	S	S	S
Thistle, dandelion, ragwort, clover, field bindweed, common poppy, may-weed, scarlet pimpernel, gallant soldier, groundsel are resistant to Proper Flo at all growth stages					
*Use only where a specific graminicide has controlled volunteer cereals and grass weeds and chickweed is not a problem					

Control of black grass

Established (well-tilled) black-grass is moderately susceptible: Where populations of black-grass and/or volunteer cereals exceed 50/m² PROPER FLO should be applied in an approved tank mix with an approved graminicide in accordance with the manufacturer's recommendations, or following an effective approved graminicide to ensure optimum weed control.
Deeper germinating black-grass within the soil profile could reduce product efficacy. Where partial resistance to the partner graminicide is known to exist the dose of PROPER FLO may be increased to 2.1 litres/ha. This may also be done if applications are made early in the season, under warm conditions and an increase in the duration of residual control is required (See Soil and Weather Conditions above).
Where high levels of resistance to the partner graminicide occurs there is no advantage of adding this graminicide to PROPER FLO for black-grass control, and PROPER FLO even at 2.1 litres/ha will not give acceptable levels of established black-grass control in these circumstances.

Time of year	Timing stage of crop	Soil type (soil texture (85 system))
Winter oilseed rape 1 st October to 31 st January	As soon as possible after 3 rd true leaf stage Crop selectivity is by depth protection. Factors which cause shallow rooting may reduce crop selectivity.	Winter field beans: Use only on medium or heavy soils with less than 10% organic matter Other crops: all soils with less than 10% organic matter
Winter field beans: 1 st October to 31 st January	Winter field beans: within 7 days after drilling but before crop emerges	
Lucerne	Established crops grown for at least 1 season. Not less than 7 days after last cut	
Lettuce	Before or after drilling	
Forestry	Any stages including pre-planting	
Forest nurseries	Treat no earlier than one month after trans-planting	
Other crops	established crops planted for at least 1 season	

FORESTRY APPLICATION AND TIMING

PROPER FLO is recommended for use on the following species: Alder, Beech, Southern Beech, Birch, Douglas Fir, Grand Fir, Noble Fir, Horse Chestnut, Larch, Lawson Cypress, Oak, Bishop Pine, Corsican Pine, Lodgepole Pine, Monterey Pine, Scots Pine, Poplar, Norway Spruce, Sycamore, Sitka Spruce, Western Hemlock and Wild Cherry.

FOLLOWING CROPS

Following crops	Rate of PROPER FLO applied to previous crops	Date PROPER FLO applied to previous crops	
		1 st April – 31 st July	1 st August – 31 st March
Lettuce	1.75-4.25 L/ha	0 weeks	0 weeks
Field beans, broad beans, peas, chicory, radish, clover, lucerne	1.75-4.25 L/ha	5 weeks	10 weeks
Brassicas, leeks, onions, parsley, parsnips, celery, oilseed rape, strawberries	1.75-4.25 L/ha	10 weeks	25 weeks or plant/50w after 15 June whichever occurs sooner
Cereals and grasses *	1.75-2.1 L/ha	N/A	30 weeks
	2.75-4.25 L/ha	40 weeks	40 weeks
Any other crop *	2.75-4.25 L/ha	20 weeks	40 weeks

* Treated land must be mouldboard ploughed to a dept of 15 cm prior to drilling a following cereal, grass or any other crop not listed above

6. MIXING

Add half the required volume of water to the spray tank and begin agitation. Shake the container vigorously and add the recommended quantity of PROPER FLO through the filter basket. Rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add washings to the sprayer through the filter basket and dispose of safely. Add the rest of the water. Continue agitation while topping up the tank and whilst spraying. Spray immediately; do not allow the mixture to stand. Thoroughly wash all spraying and measuring equipment with water immediately after use.

7. METHOD OF APPLICATION

Do not apply through broadcast air-assisted sprayers.
All crops: application may be made through a ground crop sprayer.
PROPER FLO may also be applied via knapsack sprayer in lettuce (outdoor), forest, forest nursery, outdoor woody ornamentals, rhubarb and pome fruit orchards. Applying 500 L water/ha, 140 ml of PROPER FLO in 20 L of water allows to spray 400 m² through a knapsack sprayer (3.5 L PROPER FLO/ha).

COMPATIBILITY

For the latest advice on tank mixes please contact your distributor.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

PROPER FLO

A residual herbicide for the control of a wide range of weeds in winter oilseed rape and several other agricultural and horticultural crops

A suspension concentrate containing 400 g/L of propyzamide (35.3 % w/w).



WARNING

RISK AND SAFETY INFORMATION

Suspected of causing cancer
Harmful to aquatic life with long lasting effects
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Dispose of contents/container to a licensed waste disposal contractor or collection site except for empty triple rinsed containers which can be disposed of as non-hazardous waste.
To avoid risks to human health and the environment, comply with the instructions for use
Do not contaminate water with the product or its container

PCS No. 04265

IMPORTANT INFORMATION

AGRICULTURAL/HORTICULTURAL HERBICIDE

Crops/situations:	Maximum individual dose (L/ha)	Maximum number of treatments:	Max. total dose	Latest time of application:
Winter Oilseed rape Winter Field bean	2.1	1 per crop	2.1 L/ha/crop	Before the 1 st of February in year of harvest.
Lucerne	1.75	1 per crop	1.75 L/ha/year	
Pome fruit orchards	4.25	1 per year	4.25 L/ha/year	6 weeks before harvest.
Lettuce (outdoor)	3.5	1 per crop	3.5 L/ha/crop	
Forest, forest nursery & outdoor woody ornamentals	4.25	1 per year	4.25 L/ha/year	-
Rhubarb (outdoor)	4.25	1 per year	4.25 L/ha/year	

READ THE LABEL BEFORE USE, USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.
FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS

ENVIRONMENTAL PROTECTION

Do not contaminate water with the product or its container [Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads].
Extreme care must be taken to avoid spray drift on to non-crop plants outside of the target area.

STORAGE AND DISPOSAL

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
DO NOT RE-USE CONTAINER FOR ANY PURPOSE.



PROTECT FROM FROST

SHAKE WELL BEFORE USE

FOR PROFESSIONAL USE ONLY

CONTENTS:
5 lit. e

Batch No:
see bottle



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