

# PILOT ULTRA

A herbicide for the control of annual and perennial grass weeds in oilseed rape, beet crops, mangold, linseed, field bean, potato, vining and combining peas.

FOR PROFESSIONAL USE ONLY – FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

## To avoid risks human health and the environment, comply with the instructions for use.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. 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). Keep out of reach of children. Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

PCS 04955

## SAFETY PRECAUTIONS

### Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces. WASH SPLASHES from skin and eyes immediately. WASH HANDS AND EXPOSED SKIN before eating and drinking, and after work.

### Environmental Protection

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

### Method of Application

Tractor mounted/trailed sprayer.

### Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. Store well away from seeds, fertilizers and animal feeding stuffs in a safe, dry place designated as an agrochemical store. Protect from frost. RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing 3 times. Add washings to sprayer at time of filling and dispose of safely. This container must not be reused.

Contains 50 g/l (5.1% w/w) quizalofop-p-ethyl as a suspension concentrate. IMPORTANT INFORMATION:

Crop	Maximum Individual dose	Maximum number of treatments/crops	Maximum Total Dose	Latest time of application
Winter & Spring Oilseed rape Linseed	2.5 l/ha	one	2.5 l/ha	13 weeks before harvest
Potatoes (ware)	2.0 l/ha	one	2.0 l/ha	7 weeks before harvest
Fodder beet, sugar beet, red beet, mangolds	2.5 l/ha	one	2.5 l/ha	60 days before harvest
Field Beans	2.5 l/ha	one	2.5 l/ha	6 weeks before harvest
Combining peas, vining peas	2.5 l/ha	one	2.5 l/ha	5 weeks before harvest

### Other specific restrictions

To avoid the build up of resistance do not apply products containing an ACCase inhibitor herbicide more than twice to any crop. In addition, do not use this product in mixture or sequence with any other product containing quizalofop-P-ethyl.

Fodder beet, red beet or mangolds must not be grazed by livestock until at least 60 days following the application of Pilot Ultra.

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.

Authorisation holder and marketing company

Nissan Chemical Europe S.A.S.

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Phone: +33 (0)4 37 64 40 20

Net Contents: 5 L

Product batch number/ date of manufacture: see on bottle

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24 HOUR EMERGENCY TELEPHONE NUMBER: +44 (0) 870 820 0418

## 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.

### RESTRICTIONS AND WARNINGS

**DO NOT** use PILOT ULTRA in frosty weather or if frost is imminent.

**DO NOT** tractor hoe beet crops within 21 days of spraying PILOT ULTRA or weed control may be reduced.

**DO NOT** spray PILOT ULTRA on crops under stress.

**Avoid drift to areas, particularly cereal crops, outside those being sprayed, having due regard to the prevailing weather conditions and spray quality being used.**

**A period of at least 2 hours without rain should follow spraying otherwise results may be reduced.**

**Consult processors before using on crops grown for processing.**

PILOT ULTRA is a systemic herbicide for control of annual and perennial grass weeds including volunteer cereals after they have emerged in the approved crops. It is rapidly absorbed by the plant and translocated to the growing point resulting in cessation of further growth. If applied when weeds are small and growing, plant death normally occurs within 3-4 weeks but may take longer under cooler conditions.

Grass weeds emerging after spraying will not be controlled. Apply within the recommended growth stages of the weed and crop when the weeds are dry and actively growing. The effects of PILOT ULTRA on the long-term control of perennial weeds, such as common couch, has not been fully investigated.

### RESISTANCE

This product contains quizalofop-p-ethyl which is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group 1' (Legacy Group A).

Some strains of annual grasses, e.g. Black-grass, Wild-oat and Italian rye-grass, 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.

Use only as part of a resistance management strategy that includes crop rotation and other cultural methods of control to prevent and manage herbicide resistant grass weeds.

Applying a second product containing an ACCase inhibitor to a crop will increase the risk of resistance development; only use a second ACCase inhibitor to control different weeds at a different timing.

To reduce the risk of resistance developing, applications should be made to young actively growing weeds. PILOT ULTRA should not be applied at doses lower than those recommended on the product label.

Use tank/product mixes or sequences of herbicides with different modes of action within individual crops or successive crops.

Monitor weed control effectiveness and investigate any odd patches of poor grass weed control.

### WEED CONTROL

PILOT ULTRA has no residual activity. Optimum weed control will only be achieved when all grass weeds have emerged. The timing of application of PILOT ULTRA depends on the growth stage of the weeds and crop. Identify the weeds to be controlled and select the appropriate dose from the table below.

Weed	Dose rate	PILOT ULTRA Application Timing
Volunteer cereals Wild-oat Sterile brome Barley cover crops	0.75 or 1.25 l/ha	Apply from the 2 leaf stage of the weed to the end of tillering. The higher dose rate should be used after the weed has started tillering.
Italian rye-grass	1.25 l/ha	Apply from the 2 leaf stage of the weed to the end of tillering. Common couch is moderately susceptible at this dose rate in oilseed rape.
Common couch	2.5 l/ha	Apply from the 4-6 leaf stage of the weed when the shoots are approximately 10-15cm tall.

Annual Meadow-grass is not controlled.

PILOT ULTRA can contribute to the control of black-grass as part of a herbicide resistance management strategy, involving mixtures and sequences with herbicides of alternative modes of action. Where resistant biotypes are present control from PILOT ULTRA will be unacceptable.

## CROP SPECIFIC INFORMATION

All varieties of the following crops may be treated with PILOT ULTRA.

### Oilseed Rape (Winter and Spring)

Apply PILOT ULTRA after the fully expanded cotyledon stage (GS10) of the crop until before the crop covers the weeds. Do not apply another herbicide to oilseed rape crops within 14 days of application.

### Linseed

Apply PILOT ULTRA after the crop has two true leaves (GS12) until before the crop covers the weeds.

Do not apply another herbicide to linseed crops within 21 days of application.

### Sugar Beet, Fodder Beet, Red Beet, Mangolds

Apply PILOT ULTRA after the crop has two fully expanded true leaves (GS11) and before the crop covers the weeds.

In barley cover crops 1.25 l/ha should be used if spraying is late and a quick kill is required to avoid competition and/or the barley is well developed and/or the cover crop is under moisture stress.

For control of barley cover crops in sugar beet or red beet, spray after the risk of windblow has passed, but before there is serious competition with the crop. Do not apply another herbicide to beet crops within 3 days of application.

### Potatoes (ware)

Apply PILOT ULTRA from the first unfolded crop leaf (GS10) until before the crop canopy covers the weeds.

Do not apply to seed crops. Do not apply another herbicide to potato crops within 21 days of application.

### Field Beans

Apply PILOT ULTRA after the crop has two unfolded leaves (GS10) until before the crop covers the weeds.

Do not apply another herbicide to field bean crops within 21 days of application.

### Pea (Vining and Combining)

Apply PILOT ULTRA after the crop has two unfolded leaves (GS10) until before the crop covers the weeds.

Do not apply another herbicide to pea crops within 21 days of application.

In some varieties PILOT ULTRA can produce yellow patches on the foliage of treated pea crops. This is more likely with vining peas. The symptoms are usually rapidly and completely outgrown.

## APPLICATION VOLUME

Apply the recommended dose in a water volume of 200 – 400 l/ha. Use the higher volume of water for wild-oat control and if crop or grass weed cover is dense.

A lower water volume of 100 l/ha may be used to control barley cover crops in sugar beet when used as part of a broad leaved weed control low dose/low volume programme.

## FOLLOWING CROPS

If a crop treated with PILOT ULTRA should fail for any reason, the following intervals must be observed before planting the permitted crops:

PILOT ULTRA dose	Following crop	Minimum Interval
1.25 l/ha	Broad-leaved crops or cereals	2 weeks
2.5 l/ha	Broad-leaved crops	2 weeks
2.5 l/ha	Cereals	6 weeks
Onions, leeks and maize are not recommended as following crops in a crop failure situation		

## APPLICATION AND MIXING

PILOT ULTRA should be applied as a FINE or MEDIUM quality spray (BCPC category). Good cover of the target weed is essential for good control.

Half-fill the spray tank with clean water and add the required quantity of PILOT ULTRA (shake well beforehand) with the agitator operating. Add further water to the required level and continue agitation until spraying is complete.

Immediately after spraying, wash and flush out the sprayer and equipment with water and liquid detergent three times.

## TANK-MIXTURES

PILOT ULTRA may be applied as a tank-mix with a range of products. Contact your crop adviser for compatibility information on specific tank-mixes.

Full manufacturer's instructions must be followed for each tank-mix component.