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Flight®

Flight is a herbicide containing pendimethalin and picolinafen with residual and contact activity for use in winter wheat and winter barley.

A suspension concentrate containing 7.5 g/litre picolinafen, 330 g/litre pendimethalin and 1,2-benzisothiazole.

Risk and Safety Information

Warning

May cause an allergic skin reaction.
Suspected of damaging the unborn child.
Very toxic to aquatic life with long lasting effects.

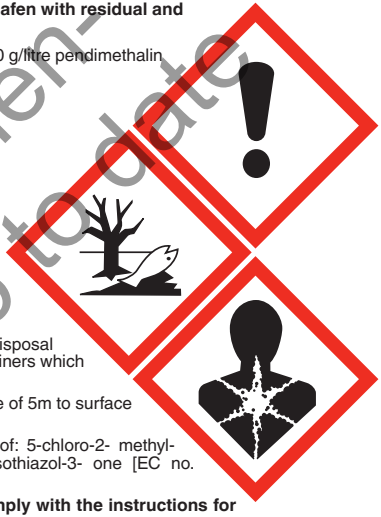
If medical advice is needed, have product container or label at hand.
Wear protective gloves, protective clothing and eye protection or face protection.
Avoid breathing mist/vapours/spray.
IF ON SKIN: Wash with plenty of soap and water.
Store locked up.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

May produce an allergic reaction. Contains: reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3 :1) and 1, 2-benzisothiazole.

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

PCS No. : 02524



Specimen-2026 to date

® = Registered trademark of BASF

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FOR USE ONLY AS AN AGRICULTURAL HERBICIDE, as directed below:

CROPS:	**Winter Wheat** **Winter Barley**
MAXIMUM INDIVIDUAL DOSE:	4 l/ha
MAXIMUM NUMBER OF TREATMENTS:	One per crop
LATEST TIMING:	Before pseudo-stem erect (before growth stage 30)

READ ALL PRECAUTIONS BEFORE USE.

PCS No. : 02524

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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.
WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
WASH HANDS before meals and after work.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
IF YOU FEEL UNWELL seek medical advice (show the label if possible).

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Environmental protection

Do not contaminate ponds, waterways or ditches with chemical or used container.
DO NOT ALLOW DIRECT SPRAY from ground crop sprayers to fall within 5m of the top of the bank of a static or flowing waterbody. Direct spray away from water.
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).

STORAGE

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
KEEP OUT OF REACH OF CHILDREN.
DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.
STORE IN ORIGINAL CONTAINER tightly closed, in a safe place.
On emptying the container, 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 container safely.

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/Warnings

For professional use only.

DO NOT use more than one application of Flight in one growing season.

Soil Types
- Flight can be used on any mineral soil.
- Residual control may be reduced on soils with more than 6% organic matter.
- DO NOT use on soils with more than 10% organic matter.
- DO NOT use on stony or gravely soils as crop damage can occur, particularly if heavy rain follows treatment.
- DO NOT use on water logged soil or soils prone to water logging.

Seedbed preparation
- Seed beds must have a fine, firm tilth. Loose or cloddy seed beds must be consolidated prior to application, otherwise reduced weed control may occur. They may also cause seed to be inadequately covered which could result in crop damage.

Application
- For pre-emergence applications, seed should be covered with a minimum of 3.2cm of settled soil.
- Only treat shallow drilled crops post-emergence.
- Do not spray undersown cereals or those to be undersown.
- Avoid spraying during periods of prolonged or severe frosts.
- Do not apply to crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed conditions or previous chemical treatment.
- **Extreme care should be taken to avoid damage by drift on to plants outside the target area.**

Emerged Crops
- Do not roll emerged crops prior to application.

Post-Application Requirements
- Do not soil incorporate.
- Do not disturb the soil after application.
- Do not roll autumn treated crops until the spring.
- For residual control some soil moisture is required for Flight. Best results will be obtained if rain falls within 7 days of application. Residual control may be reduced under prolonged dry conditions.
- Water logging that occurs soon after pre-emergence applications may lead to crop damage.

Some transient bleaching may be seen after application to some crops, this does not lead to yield loss.

Concentrated or diluted Flight may stain. Avoid spillage. Staining is minimised or completely removed if skin/clothes are washed immediately.

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Weed control

Susceptibility of weeds to single applications of Flight

Best results will be achieved by application to small actively growing weeds.

4.0l/ha FLIGHT		
GRASS WEEDS	**Pre-em**	**Post-em**
Annual Meadow-grass	S	S up to GS13
Rough Meadow-grass	MS	MS up to 2 lvs
BROAD-LEAVED WEEDS		
Charlock	MS pre-em	S up to 6 lvs
Cleavers	-	MS up to 1 whorl
Common Chickweed	S	S up to 6 lvs
Common Field Speedwell	S	S up to 6 lvs
Common Fumitory	MS	S up to 3 lvs
Common Orache	S	-
Common Poppy	S	S up to 6 lvs
Corn Marigold	S	-
Crane's-bill	-	S up to 4 lvs
Fat-hen	S	-
Field Forget-me-not	S	-
Field Pansy	S	S up to 6 lvs
Hemp-nettle (Day Nettle)	S	-
Henbit Dead-nettle	S	-
Ivy-leaved Speedwell	S	S up to 6 lvs
Knotgrass	S	-
Mayweeds	MS	-
Parsley Piert	S	-
Red Dead-nettle	S	S up to 6 lvs
Scarlet Pimpernel	S	-
Shepherd's Purse	MS	S up to 6 lvs
Small Nettle	S	-
Smooth Sowthistle	S	-
Volunteer Beans	MR	R
Volunteer Oilseed Rape (1)	MS	MS up to 2 lvs

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S = Susceptible
MS = Moderately susceptible
R = Resistant
MR = Moderately resistant(1) = deep germinating volunteer Oilseed Rape may not be controlled.

Resistance Management

GROUP	3	12	HERBICIDES

Strains of some annual grasses (e.g. Black-grass, Wild-Oats, and Italian Ryegrass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Picolinafen is an inhibitor of carotenoid biosynthesis at the PDS step (a group that includes picolinafen and diflufenican).
To prevent the development of resistant weeds herbicides with different modes of action must be used when applying in sequence. Guidelines have been produced by the Weed Resistance Action Group and copies are available from HGCA, CPA, your distributor, crop adviser or product manufacturer.

Crop Specific Information

Flight can be used on all varieties of Winter Wheat and Winter Barley.

Time of application
Pre- and post- crop emergence, up to before pseudo-stem erect (before growth stage 30).

DO NOT apply pre-emergence to crops drilled after 30 November.

Rate of application
4.0 l/ha

Before using Flight on crops to be processed please consult your processor.

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Following Crops

Before rye-grass is drilled after a very dry season, plough or cultivate to at least 15 cm. In the event of crop failure the land must be ploughed or thoroughly cultivated to a minimum depth of 15 cm to ensure any residues are evenly dispersed throughout the soil. The minimum intervals (specified below) should elapse between the application of Flight and the sowing of one of the following crops listed below.

Autumn Applications of Flight

The following crops may be sown after a **minimum of 5 months:**

Spring Barley	Spring Field Beans	Brussels Sprouts	Carrots
Spring Wheat	Broad Beans	Cabbage	Parsnips
Maize	Dwarf Beans	Calabrese	Parsley
Peas	Turnips	Linseed	Cauliflower
Potatoes			

Following Spring and Early Summer Applications

The following crops may be sown or transplanted after a **minimum interval of 2 months:**

Spring Field Beans	Brussels Sprouts	Carrots
Broad Beans	Cabbage	Parsnips
Dwarf Beans	Calabrese	Parsley
Peas	Cauliflower	Linseed
Turnips		

The following crops may be sown after a **minimum interval of 5 months:**

Any crop (with the exception of Red Beet, Sugar Beet and Spinach) may be planted or sown.

(A minimum interval of 12 months should elapse between application and sowing Red Beet, Sugar Beet and Spinach).

Mixing and Application

Mixing

For application using tractor mounted/trailed sprayers only.

Apply Flight in 200 litres water/ha.

Ensure good, even spray cover of the target using a spray of fine or medium quality.

Mixing
- Three-quarters fill the tank with water.
- To ensure thorough mixing of the product, invert the container several times before opening
- Add Flight while re-circulating
- Fill the tank
- Maintain circulation while spraying
- Wash out the sprayer thoroughly after the use of Flight using a wetting agent or a proprietary spray tank cleaner particularly before using the sprayer in broad-leaved crops

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Trade Mark Acknowledgments

® = Flight is a registered trademark of BASF.

The following does not form part of the product label under S.I. No. 159 of 2012

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of any applicable law.

Additional Product Safety Information

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:

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agricentre.basf.ie/Flight-IE/MSDS

Alternatively, contact your supplier.