



GROUP 2 HERBICIDE

For use only as an agricultural herbicide.

A highly active herbicide (a combination of three sulfonylurea herbicides) with foliar and some root activity against black-grass, wild oats, rye-grasses, broomrape, meadow-grass, cleavers, common chickweed, mayweeds, charlock and volunteer oilseed rape in winter wheat and arable crops.

A water dispersible granule formulation containing 30 g/kg mesosulfuron-methyl, 10 g/kg iodosulfuron-methyl-sodium and 50 g/kg amidosulfuron.

Authorisation holder:

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Safety information

PACIFICA PLUS

UFI: PQU0-K0EG-V00X-J29F

A water dispersible granule formulation containing 30 g/kg mesosulfuron-methyl, 10 g/kg iodosulfuron-methyl-sodium and 50 g/kg amidosulfuron.
Also contains mefenpyr-diethyl.



Danger

May cause an allergic skin reaction.

Causes serious eye damage.

Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

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

PCS No. 05537

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SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practical in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION

(FACESHIELD) when handling the concentrate. WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

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).

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

Take extreme care to avoid drift onto crops and non-target plants outside the target area.

This product must only be applied between 1 February in the year of harvest and the specified latest time of application. Doses above 0.4 kg/ha must only be applied between 1 March in the year of harvest and the specified latest time of application.

Use appropriate containment to avoid environmental contamination.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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.

This material and its container must be disposed of in a safe way.

For professional use only.

READ ALL INSTRUCTIONS CAREFULLY BEFORE USE

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To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.bayercropscience.ie/sds/pacificaplus.pdf

or alternatively contact your supplier

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Bayer

Crop	Maximum individual dose	Maximum number of applications	Latest time of application
Winter wheat and triticale	0.5 kg/ha	1	From 1st February up to flag leaf ligule just visible (GS 39)

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

DO NOT use Pacifica Plus on crops undersown with grasses, clover or other legumes or any other broad-leaved crop.

Pacifica Plus must not be applied to any crop suffering from stress as a result of drought, waterlogging, pest or disease attack, nutrient deficiency, soil compaction or other factors reducing crop growth.

Because some non-target crops are sensitive to Pacifica Plus, extreme care is required to avoid drift onto plants outside the target area or onto ponds, waterways or ditches.

Do not apply Pacifica Plus when rain is imminent.

Do not apply during periods of frosty weather.

Do not overlap spray swaths.

Store in a safe, dry place designated as an agrochemical store.

PROTECT FROM FROST.

WEEDS CONTROLLED

This product contains mes-sulfuron-methyl, iodosulfuron-methyl-sodium and amidosulfuron which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group B'. Use only as a part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control. Strains of some annual grasses (e.g. black-grass, wild oats and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from Teagasc, your distributor, crop advisor or product manufacturer.

If present at the time of application, the following weeds will be controlled:

	Post-emergence control at 0.4 Kg/ha #	Post-emergence control at 0.5 Kg/ha ##
Black-grass (Sensitive)	to GS 39	-
Black-grass (Resistant* – EMR)	to GS 29	-
Wild oats	to GS 39	-
Annual meadow-grass	to GS 31	-
Rough-stalked meadow-grass	to GS 31	-
Perennial rye-grass (from seed)	to GS 32	-
Italian rye-grass	to GS 32	-
Sterile brome	Moderately Resistant to GS 33	Moderately Susceptible to GS 33
Great brome	Moderately Resistant to GS 33	Moderately Susceptible to GS 33
Rye brome	Moderately Resistant to GS 30	Moderately Susceptible to GS 30
Common chickweed	to branching stage (10 cm across/high)	-
Cleavers	to 20 cm high	-
Mayweeds	to branching stage (10 cm across/high)	-
Charlock	to GS 16 (6 expanded true leaves)	-
Volunteer oilseed rape	to GS 16 (6 expanded true leaves)	-

Applications of 0.4 kg/ha can be made between 1st February in the year of harvest and the specified latest time of application.

Applications of 0.5 kg/ha can be made between 1st March in the year of harvest and the specified latest time of application.

* Situations where Enhanced Metabolism Resistance has been confirmed as RR or RRR by a resistance test or where a significant reduction in performance of other herbicides has been noted previously.

Where mixed populations of black-grass and brome-grass occur, use the 0.4 kg/ha dose of Pacifica Plus. Only use 0.5 kg/ha where brome-grass is the overwhelming constituent of the mixture.

Pacifica Plus is readily translocated within the target weed, inhibiting growth within hours of application. The actual time taken for herbicidal symptoms to appear and death varies between weed species, timing of application and weather conditions. In some cases symptoms may not be apparent for up to 4 weeks. As Pacifica Plus is active primarily via foliar uptake good spray coverage of the target weed is essential for optimal efficacy. Weeds germinating after application will not be controlled. Due to the potential for yield loss without prior signs of crop phytotoxicity, avoid use of Pacifica Plus to control light infestations of grass weeds.

To reduce the risk of developing resistance or where resistance to sulfonylurea herbicides is suspected applications should be made to young actively growing grass weeds.

Key aspects of the Pacifica Plus resistance management strategy are:

- ALWAYS follow WRAG guidelines for preventing and managing herbicide resistant grass and broad-leaved weeds.
- IDEALLY adopt an integrated weed control programme incorporating cultural control measures to reduce reliance on Pacifica Plus and the risk of resistance developing (see WRAG guidelines for options).
- DO NOT use Pacifica Plus as a stand-alone spring treatment for black-grass, ryegrass or common chickweed. Use only in sequence with a robust autumn herbicide programme based on products with non-ALS modes of action. This programme should also be integrated with a programme of cultural control measures.
- IDEALLY apply Pacifica Plus as early as possible in the spring and before stem extension of grass weeds.
- DO NOT use Pacifica Plus as the sole means of grass weed or broad-leaved weed control in successive crops.
- ALWAYS use grass and broad-leaved weed herbicides with non-ALS modes of action throughout the cropping rotation.
- ALWAYS monitor weed control effectiveness and investigate any odd patches of poor grass or broad-leaved weed control. If unexplained contact your agronomist who may consider a resistance test appropriate.

CROP SPECIFIC INFORMATION

Winter Wheat and Triticale

Apply via a horizontal boom sprayer at a rate of 0.4 or 0.5 kg/ha. Apply in 100-300 L/ha as a **FINE to MEDIUM** spray (BCPC category). Use application techniques which ensure good weed coverage and crop penetration, using flat fan nozzles. Ensure that spray swaths do not overlap.

Always use Pacifica Plus in mixture with authorised adjuvant biopower (PCS No. 92144) at a rate of 1.0 L/ha.

Only one application of Pacifica Plus should be made to the crop.

For use on all varieties of winter wheat and triticale. Apply post-emergence of the crop and no earlier than 1st February in the year of harvest up to flag leaf ligule just visible (GS 39).

Rates above 0.4 kg/ha must not be applied before 1st March.

FOLLOWING CROPS and CROP FAILURE

Winter wheat and winter barley may be sown in the year of harvest following a winter wheat or triticale crop treated with 0.5 kg/ha Pacifica Plus. Winter oilseed rape may be sown after ploughing in the year of harvest following a winter wheat or triticale crop treated with 0.4 kg/ha Pacifica Plus. Spring wheat, spring barley and sugar beet may be drilled in the spring following harvest of a winter wheat or triticale crop treated with 0.5 kg/ha Pacifica Plus. In the event of crop failure for any reason, sow only winter or spring wheat in the same cropping season as an application of Pacifica Plus.

MIXING

Add the recommended quantity of Pacifica Plus to the spray tank half-filled with the required quantity of clear water. Add the remainder of the water with the sprayer agitation system in operation. Maintain agitation during mixing and loading and until spraying is complete. Do not leave the sprayer standing with chemical in it.

To avoid subsequent damage to crops other than winter wheat it is important that the spray tank, boom, hoses, filters and nozzles are thoroughly washed out to remove all traces of Pacifica Plus immediately after spraying using a proprietary sprayer cleaner (e.g. All Clear Extra®) according to the label instructions for that product. Do not mix any bleach or chlorinating agent with an ammonia-based cleaning agent as toxic gases may be liberated.

COMPATIBILITY

Pacifica Plus may be applied as a tank-mix only with specific products. Contact Bayer CropScience for compatibility information on specific tank-mixes. Full manufacturer's instructions must be followed for each tank-mix component.