



CONTAINS	A water dispersible granule formulation containing 30 g/kg mesosulfuron-methyl and 10 g/kg iodosulfuron-methyl-sodium.
CONTROLS	A highly active herbicide (a combination of two sulfonylurea herbicides) with foliar and some root activity against bromes, black-grass, wild-oats, rye-grasses, annual meadow-grass, common chickweed, mayweeds, charlock and volunteer oilseed rape in winter wheat.
PCS 02241	

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.

RATE OF USE

CROP	MAXIMUM INDIVIDUAL DOSE	MAXIMUM NUMBER OF APPLICATIONS	LATEST TIME OF APPLICATION
Wheat only	0.5 kg/ha	1	From 1st February up to flag leaf ligule just visible GS 39

RESTRICTIONS

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

The following “ALS inhibiting” herbicides can be applied to a crop treated previously with Pacifica: Eagle and Hussar.

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

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

DO NOT apply Pacifica when rain is imminent.

DO NOT apply during periods of frosty weather.

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

PROTECT FROM FROST.

WEEDS CONTROLLED

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 the HGCA, CPA, your distributor, crop advisor or product manufacturer.

WEED	SUSCEPTIBILITY
Sterile Brome	Moderate susceptibility post-emergence to GS33
Great Brome	Moderate susceptibility post-emergence to GS33
Rye Brome	Moderate susceptibility post-emergence to GS30
Black-grass	Post-emergence to GS39
Wild oats	Post-emergence to GS39
Annual meadow-grass	Post-emergence to GS31
Rough-stalked meadow grass	Post-emergence to GS31
Perennial rye-grass (from seed)	Post-emergence to GS31
Italian rye-grass	Post-emergence to GS31
Common chickweed	Post-emergence to branching stage (10 cm diameter)
Mayweeds	Post-emergence to branching stage (10 cm diameter)
Charlock	Post-emergence to GS16
Volunteer oilseed rape	Post emergence to GS16

Pacifica 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 is active primarily via foliar uptake good spray coverage of the target weed is essential for optimal efficacy.

The presence of enhanced metabolism herbicide resistant populations of Italian rye-grass may lead to unacceptable levels of control. To reduce the risk of developing resistance or where resistance to sulfonylurea herbicides is suspected, applications should be made to young, actively growing weeds.

Key aspects of the Pacifica resistance management strategy are:

- **ALWAYS** follow WRAG guidelines for preventing and managing herbicide resistant grass and broad-leaved weeds.
- **DO NOT** use Pacifica as a stand alone spring treatment for black-grass, rye-grass or common chickweed. Use only in sequence with a robust autumn herbicide programme based on products with non-ALS modes of action.
- **IDEALLY** apply Pacifica as early as possible in the spring and before stem extension of grass weeds.
- **DO NOT** use Pacifica 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

Apply via a tractor mounted horizontal boom sprayer at a rate of 0.5 kg/ha. Apply in 200-300 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.

Pacifica should be used in mixture with an authorised wetting agent e.g. biopower (PCS No. 92144).

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

For use on all varieties of winter wheat. Safety to crops grown for seed has not been established. Apply post-emergence of the crop and no earlier than 1st February in the year of harvest up to flag leaf ligule just visible (GS39).

FOLLOWING CROPS AND CROP FAILURE

Winter wheat, winter barley and winter oilseed rape may be sown in the year of harvest to succeed a winter wheat crop treated with Pacifica. Spring wheat, spring barley, sugar beet, spring oilseed rape and peas may be drilled in the spring following harvest of the Pacifica treated winter wheat crop. 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.

MIXING

Add the recommended quantity of Pacifica to the spray tank half-filled with the required quantity of clean 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 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 any ammonia-based cleaning agent as toxic gases may be liberated.

COMPATIBILITY

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

SAFETY PRECAUTIONS

Operator Protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the product.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) during application.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

Environmental Protection

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

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.

DO NOT ALLOW DIRECT SPRAY from ground crop sprayers to fall within 5 m of the top of the bank of a static or flowing waterbody, or within 1 m of the top of a ditch which is dry at the time of application. Direct spray away from water.

Storage and Disposal

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

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

READ ALL INSTRUCTIONS CAREFULLY BEFORE USE.

PACIFICA

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



IRRITANT



**DANGEROUS
FOR THE
ENVIRONMENT**

RISK OF SERIOUS DAMAGE TO EYES.

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Keep out of reach of children.

Keep away from food, drink and animal feedingstuffs.

Wear suitable gloves and eye/face protection.

In case of contact to eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show this container or label.

Do not contaminate ponds, waterways or ditches with chemical or used container.

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

Use appropriate containment to avoid environmental contamination.

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

PACK SIZE

2.5 kg