

Artist[®]

Net contents : 1kg, 5kg, 10kg

Herbicide

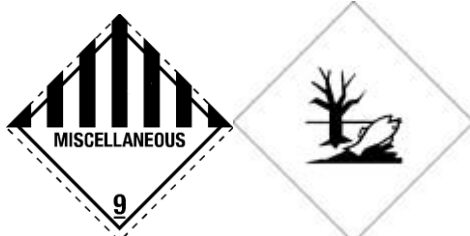
A residual herbicide for use as a pre-emergence selective herbicide, acting through root uptake, for the control of broad-leaved weeds in potatoes

Contains: 240 g/kg flufenacet and 175 g/kg metribuzin in the form of a water dispersible granule.

Registered pursuant to the ACVM Act 1997, No P9555
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR101359
See www.epa.govt.nz for approval conditions

DG Information



UN 3077
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(FLUFENACET, METRIBUZIN MIXTURE)
PACKING GROUP III
CLASS 9
HAZCHEM CODE 2Z

IN A TRANSPORT EMERGENCY DIAL 111 POLICE OR FIRE BRIGADE



27/06/2019

WARNING**KEEP OUT OF REACH OF CHILDREN****HSNO Classifications:**

6.1D Harmful if swallowed or inhaled.

6.5B May cause an allergic skin reaction.

6.9B May cause damage to organs through prolonged or repeated exposure.

9.1A Very toxic to aquatic life with long lasting effects.

9.2A Very toxic to the soil environment.

9.3C Harmful to terrestrial vertebrates.

PRECAUTIONS:

Do not eat, drink or smoke while using this product.

Do not breathe dust/mist/spray.

Remove protective clothing and wash hands and face thoroughly before meals and after work.

Avoid contact with the skin and eyes.

PERSONAL PROTECTION:

When handling, wear full protective clothing such as impervious gloves, respirator, waterproof hat, coat and trousers (worn outside rubber boots).

STORAGE: Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs.**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

Disposal: Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.**Container Disposal:** Triple rinse container and add residue to mixture. Take to an Agrecovery collection site.**FIRST AID:**

If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If splashed in eyes, wash out immediately with water, if irritation persists get medical advice. If inhaled, move the victim to fresh air immediately.



27/06/2019

DIRECTIONS FOR USE:

MIXING: Half fill the spray tank with clean water and add the required amount of Artist. Wash out the container and add the washings to the spray solution, before topping up with clean water. Maintain continuous agitation of spray solution. Do not leave the sprayer filled with the spray solution standing for long periods.

Wash out the sprayer thoroughly after use using a wetting agent or proprietary tank cleaner.

RESISTANCE MANAGEMENT

Group	C1 + K3	Herbicide
--------------	----------------	------------------

Metribuzin is a triazinone herbicide. It inhibits photosynthesis at the photosystem II step. Flufenacet is an oxyacetamide herbicide and it inhibits cell division. Despite having two modes of action in Artist, certain individual biotypes may become resistant. To minimise the risk of these weeds dominating the population, use strictly in accordance with the label directions.

RECOMMENDATION:

Product Rate	Weed stage	Crop stage
2.5 kg/ha	Pre-emergence of the weeds	Pre-emergence of the crop

Apply through any standard crop sprayer capable of giving uniform coverage at a spray volume of 200 - 300 L/ha. Use spray pressures of at least 200 kPa and apply as medium to coarse spray droplets. Avoid overlaps. The seedbed should be moist, of good tilth, and free of clods and trash.

RESTRICTIONS:

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

The maximum application rate is 2.5 kg/ha with one application per calendar year.

Artist must not be applied 15 metres of any waterbody.

Artist must not be applied within 5 metres of downwind non-target plants.

Artist must only be applied using ground-based equipment with a low boom (spray boom <50 cm above the ground) and must be set to a medium to coarse droplet quality spray as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline.

Artist must not be applied when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site.

Avoid applications to sloping areas subject to excessive run-off.

For optimal weed control soils must be sufficiently moist at or shortly after application to ensure adequate uptake of active ingredient via the roots of germinating weed seedlings. Effectiveness will be reduced under dry soil conditions. Ridges should be well rounded with few clods. Cultivations should produce a soil tilth that requires no further improvement after planting. DO NOT disturb the soil after application (e.g. by harrowing or rolling). Cultivation after spraying will encourage weed germination and reduce the residual activity of Artist.



On mineral soils with high organic matter content and on peaty or organic soils the residual activity of Artist may be reduced. On stony or gravelly soils there is a risk of crop damage, especially if heavy rain falls soon after application. Ensure Artist is applied evenly overall to both sides of potato ridges. Care must be taken to ensure that application takes place before crop emergence. Artist sprayed onto any part of the potato plant will cause crop damage; therefore, application must be made before there are any visible signs of potato shoots emerging from the soil.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIOD:

Potato: Do not apply after crop emergence.

WEEDS CONTROLLED

Application should be made pre-emergence of all weeds.

The application of an approved post-weed emergence herbicide may be necessary to obtain complete control of weed species not susceptible to Artist, or later germinating ones.

Susceptible:

Fathen, Fumitory, Cleavers, White Clovers, Field pansy.

Moderately susceptible:

Black nightshade

Grasses and broad-leaved weeds growing from rootstocks will not be controlled by Artist. Speed of activity can be slow and is dependent on temperature and growing conditions. Activity can be slow under cool conditions and the final level of weed control may take some time to appear. Some soil moisture is required to activate Artist, and moist soil at and after application is required to give the best results. Residual control may be reduced under prolonged dry conditions.

Artist does not control Yarrow.

FOLLOWING CROPS and CROP FAILURE

Plough or cultivate to at least 15 cm before planting following crops of oilseed rape, field beans and brassica. Ensure thorough soil mixing before planting. Plough to at least 15 cm before planting peas, beets, carrots and onions. Ensure thorough soil mixing before planting.

In the event of crop failure, for any reason, plough to at least 15 cm and sow only potatoes. Ploughing or cultivation, with complete inversion of the furrow, must take place before planting any following non-cereal crop, except potatoes.

CONDITIONS OF SUPPLY: READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

To the extent permitted by law Bayer does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. Bayer does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter.

To the extent only that Bayer is prevented by law from contracting out of the Consumer Guarantees Act, then these conditions apply subject to that Act. The Act shall not apply where these goods are acquired for business purposes.



[Handwritten signature]
27/06/2019

Date of Manufacture:
Batch No:

Artist® is a registered trademark of the Bayer Group

Bayer

Registered to:
Bayer New Zealand Limited
3 Argus Place, Hillcrest, Auckland 0627

Ph. 0800 428 246
EMERGENCY RESPONSE SERVICE (24 hrs) 0800 734 607



[Handwritten signature]
27/06/2019