

# Nirvana<sup>®</sup>



For use in combining peas, vining peas, and spring and winter field beans.

An emulsifiable concentrate containing 250 g/l pendimethalin and 16.7 g/l imazamox

**Danger**

**May cause an allergic skin reaction**  
**Very toxic to aquatic life with long lasting effects**

Wear protective gloves.

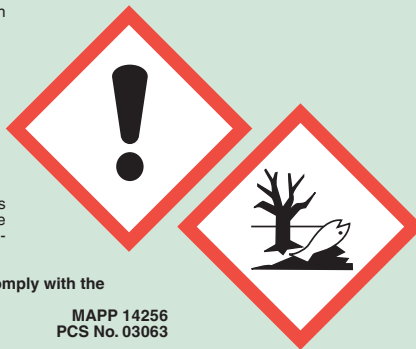
Do not breathe mist.

IF ON SKIN: Wash with plenty of soap and water.

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

Wash contaminated clothing before reuse.

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.

MAPP 14256  
PCS No. 03063

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 **BASF**  
We create chemistry

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## 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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES** when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

**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)

### 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 5m to water bodies (IE only).

**DO NOT ALLOW DIRECT SPRAY** from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP – UK only) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme (UK only). Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.



### Storage and disposal

**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.**

**KEEP OUT OF REACH OF CHILDREN.**

**KEEP 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.

**This product is approved under the Plant Protection Product Regulations 2005 (as amended) – UK only.**

**This product is approved under S.I. No. 159 of 2012 – Ireland only.**

**This label is compliant with the CPA Voluntary Initiative Guidance (UK only)**



**The Voluntary Initiative**

### IMPORTANT INFORMATION

#### FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.

CROPS:	Combining peas, vining peas, spring and winter field beans
MAXIMUM INDIVIDUAL DOSE:	4.5 litres product/ha
MAXIMUM NUMBER OF TREATMENTS:	One per crop
LATEST TIME OF APPLICATION:	Pre-emergence of the crop
OTHER SPECIFIC RESTRICTIONS:	To avoid the build-up of resistance, do not apply this or any other product containing an ALS inhibitor herbicide with claims for control of grass-weeds more than once to any crop.

**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.**





## 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.

NIRVANA is a herbicide containing pendimethalin and imazamox, for the pre-emergence control of a range of broad-leaf weeds in winter and spring field beans, combining peas and vining peas.

### 1. Restrictions/Warnings

#### 1.1 Efficacy

Residual control may be reduced where soil organic matter exceeds 6%, or on soils which are cloddy at application.

#### 1.2 Soil types

NIRVANA may be applied on any mineral soil types.

Do not use on soils containing more than 10% organic matter.

Do not apply to soils which are waterlogged or prone to water logging.

#### 1.3 Seedbed preparation

Seedbed must have a fine, firm tilth. Consolidate loose or cloddy seedbeds before use.

Weed control may be reduced on cloddy seedbeds.

Do not soil incorporate NIRVANA.

Do not disturb the soil after NIRVANA has been applied.

#### 1.4 Crop safety

Cloddy soils may cause the seed to be inadequately covered, which may lead to crop damage.

Some 'cupping' of the leaves may occur following application but this is generally transient with crops recovering fully.

On stony or gravelly soils, crop damage may occur, particularly if heavy rain follows treatment.

Seed must be drilled to a depth of at least 2.5 cm of settled soil.

Do not apply once the plumule is less than 13 mm from the soil surface.

#### 1.5 Weather conditions

Residual control may be reduced under prolonged dry conditions.

Do not apply if heavy rain is forecast.

#### 1.6 Spray drift

Extreme care should be taken to avoid damage by drift onto crop and non-crop plants outside the target area.

#### 1.7 Sprayer cleaning

Concentrated NIRVANA may stain. Avoid spillage. Staining is minimised if skin/clothes are washed immediately. Wash out the sprayer thoroughly after the use of NIRVANA, using a proprietary spray tank cleaner ensuring no residues of the product remain.

#### 1.8 Processed crops

CONSULT PROCESSORS BEFORE USE.



## 2. Weed Control

Susceptibility of weeds pre-emergence to NIRVANA at 4.5 litres per hectare.

Weed species	Susceptibility rating
Annual mercury	MS
Black-bindweed	S
Charlock	S
Common chickweed	S
Common field-speedwell	S
Common fumitory	S
Common orache	S
Common poppy	S
Fat-hen	S
Field pansy	MR
Fool's-parsley	MR
Green field-speedwell	S
Grey field-speedwell	S
Henbit dead-nettle	S
Ivy-leaved speedwell	S
Knotgrass	S
Red dead-nettle	S
Redshank	S
Runch	MS
Scarlet pimpernel	S
Scented mayweed	MS
Shepherd's-purse	MR

S = susceptible  
MS = moderately susceptible  
MR = moderately resistant

### 2.2 Resistance

This product contains imazamox which is an ALS inhibitor, also classified by the HRAC as 'Group B'. Repeated use of herbicides with the same mode of action can increase the risk of strains of weeds developing resistance to these compounds, leading to poor control. In order to minimise the risk, a strategy for preventing and managing such resistance should be adopted. Use products with different modes of action and from different chemical groups in sequence or tank-mix, in conjunction with effective cropping rotation and cultivation techniques. In all cases the recommended rate of use should be adhered to. Use only as 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. Further guidance on weed resistance management is available from the Herbicide Resistance Action Committee (HRAC) and Weed Resistance Action Group (WRAG). Follow WRAG Guidelines.

## 3. Crop specific information

### 3.1 Crops

NIRVANA can be used on all varieties of winter and spring field beans, combining peas, and vining peas.

### 3.2 Time of application

Apply NIRVANA as soon as possible after sowing and before weed emergence. Do not apply once the plumule is less than 13 mm from the soil surface.

Avoid overlapping spray swaths.





### 3.3 Rate of application

Apply 4.5 litres NIRVANA in 200–300 litres of water per hectare.

### 4. Following crops

Winter wheat and winter barley may be drilled as the following crop after application of NIRVANA, provided a minimum interval of 3 months is observed between application and drilling. The land should at least be cultivated by a non-inversion method (discing) before drilling takes place.

Winter oilseed rape and other brassica crops should not be drilled as the following crop.

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

### 5. Mixing and Spraying

#### 5.1 Mixing

Fill the tank half full with water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of NIRVANA to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed.

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.

Wash out the sprayer thoroughly after the use of NIRVANA, using a proprietary spray tank cleaner ensuring no residues of the product remain.

#### 5.2 Application

Apply as a MEDIUM spray, as defined by BCPC.

### 6. Trademark Acknowledgements

Nirvana is a registered trademark of BASF.

**The following does not form part of the product label under the Plant Protection Products Regulations 2005 (as amended) - UK only.**

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

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 the Unfair Contract Terms Act 1977 or any similar applicable law.





**Section 6 of the Health and Safety at Work Act  
Additional Product Safety Information**

**The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has „off-label“ approval or is otherwise permitted under the Control of Pesticides Regulations.**

**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:



[http://www.agricentre.basf.co.uk/go/nirvana\\_sds](http://www.agricentre.basf.co.uk/go/nirvana_sds)

Alternatively, contact your supplier.

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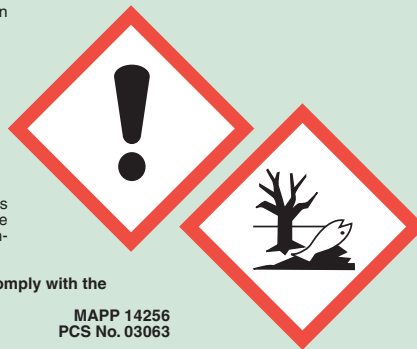
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