



# Stallion<sup>®</sup> Sync<sup>Tec</sup>

## Herbicide

GROUP F4 / K1 HERBICIDE

MAPP No. 18714 / PCS 05483

A capsule suspension (CS) containing 333 g/l (29.1% w/w) pendimethalin and 30 g/l (2.6% w/w) clomazone

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. (UK only)

**IMPORTANT INFORMATION: FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE**



### WARNING

Contains Pendimethalin and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction

**Very toxic to aquatic life with long lasting effects**

Avoid release to the environment. Collect spillage. 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. 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 avoid risks to human health and the environment, comply with the instructions of use.

Crops	Max. individual dose	Max. number of treatments	Latest time of application
Combining peas, vining peas, field beans, potato and carrot	3.0 litre product/ha	One per crop	Pre crop emergence

\*Qualified minor use

Crops/situations:	Aquatic buffer zone distance (metres):	Comment:
Combining peas, vining peas, field beans, potato and carrot	5	see Environmental Protection Phrase 1 (UK only)

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

**READ THE LABEL BEFORE USE. USING THE PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE A BREACH OF THE LAW. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS**

MAPP No. 18714/  
PCS 05483

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Tel: 01244 537370. Email: Flintshire.enquiry@fmc.com Website: www.fmc-agro.co.uk  
Technical Helpline: 01423 205011 **Emergency No.s - Medical Incidents Involving Crop Protection Products:** England & Wales: 111, Scotland: 08454 24 24 24, Northern Ireland: Local GP or Pharmacist, Republic of Ireland: 01 837 9964.

Healthcare professionals seeking poisons information: [www.toxbase.org](http://www.toxbase.org) **Emergency No.s - Transportation, Warehousing & After Sale Incidents:** CHEMTREC help centre Dialling from the UK and NI: 0870 820 0418, Dialling from Ireland: 01 901 4670



Batch number: See elsewhere on the bottle

Contents:

**10 litres**



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To access the Safety Data Sheet for this product, scan the QR code or use the weblink below: <https://data.fmc-agro.co.uk/wp-content/uploads/StallionSyncTec.pdf>  
Alternatively, contact your supplier.

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PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

## **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 GLOVES when handling the concentrate or contaminated surfaces.

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

### **Environmental protection:**

(1) Crops/situations with 5m buffer zone: (UK only)

Since there is a risk to aquatic life from use, users not applying the statutory buffer zone must either themselves carry out or ensure that someone else has carried out a Local Environment Risk Assessment for Pesticides (LERAP) on their behalf before each spraying operation from a horizontal boom sprayer. Users must not allow direct spray from horizontal boom sprayers to fall within 5m of the top of the bank of any static or flowing waterbody or within 1m of a ditch which is dry at the time of application (these distances to be measured as set out in the guidance documents available from HSE Chemical Regulation Division's website and any amendments that are made to it) unless:

(a) The LERAP indicates that a narrower buffer zone will be sufficient; and

(b) Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.

Spray must be aimed away from water.

Spray from hand-held sprayers must not be allowed to fall within 1m of the top of the bank of a static or flowing waterbody. Spray must be aimed away from water. (UK only)

(2) The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, provided it is similarly available for inspection and can be copied). (UK only)

(3) Detailed guidance on LERAPs and how to conduct a LERAP are contained in the guidance documents available from HSE Chemicals Regulation Division's website. All LERAPs must be carried out in accordance with this Guidance and any amendments that are made to it. (UK only)

(4) Extreme care must be taken to avoid drift on to crops and non-target plants outside of the target area.

- There is a risk to adjacent crops and non-crop vegetation from the volatilisation of STALLION®Sync<sup>Tec</sup>. This may result in damage/bleaching to neighbouring vegetation. If effects are seen they must be reported via the stewardship program see [www.fmc-agro.co.uk](http://www.fmc-agro.co.uk).

### **Storage and disposal:**

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place, dry and frost proof in a suitable pesticide store.
- KEEP AWAY FROM FOOD AND DRINK AND ANIMAL FEEDING STUFFS.
- KEEP OUT OF REACH OF CHILDREN.
- WASH CONTAINER THOROUGHLY, empty washings into spray tank and dispose of 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.

**STALLION®Sync<sup>Tec</sup>** is a residual herbicide which can be used in all varieties of combining peas, field beans, potato and carrot. Crop plants emerged at the time of application may be severely damaged.

**Qualified Minor Use**

STALLION®Sync<sup>Tec</sup> may be used on vining peas as a qualified minor use recommendation as crop safety has not been fully assessed. The impact of STALLION®Sync<sup>Tec</sup> on taint in vining peas has not been assessed.

**RESTRICTIONS:**

- Do not apply to broadcast crops.
- Some transient crop bleaching may occur under certain climatic conditions and can be severe where heavy rainfall follows application. This transient crop effect is rapidly outgrown and has no effect on crop yield.
- Do not use on soils that are compacted or of a poor structure which may then be liable to waterlogging.
- Reduced levels of weed control may occur if application is made to dry cloddy seedbeds or if a prolonged dry period follows application.
- Do not overlap spray swaths. Severe crop damage may occur on field beans. Where damage does occur, this is generally transient and should not affect crop yield.
- Certain varieties of potato may exhibit pronounced bleaching, particularly if STALLION®Sync<sup>Tec</sup> is applied close to plant emergence. Apply STALLION®Sync<sup>Tec</sup> as soon as possible after planting and ridging potatoes.
- Consult processors before use on carrots, potatoes, and vining peas destined for processing.

**WEED CONTROL:** The following weeds are susceptible to STALLION®Sync<sup>Tec</sup> when applied pre-emergence to a moist, firm seedbed free from clods:

<b>Timing</b>	<b>Pre-emergence</b>		
<b>Crop</b>	<b>Field beans (winter) and combining peas (winter)</b>		
<b>Rate of Application</b>	<b>3.0 L product / ha</b>		
	<b>Broad-leaved and grass weeds</b>		
GALAP	<i>Galium aparine</i>	Cleavers	Moderately Susceptible
MATCH	<i>Matricaria chamomilla</i>	Mayweed species	Moderately Susceptible

POANN	<i>Poa annua</i>	Mayweed species	Moderately Susceptible
POLAV	<i>Polygonum aviculare</i>	Knotgrass	Susceptible
STEME	<i>Stellaria media</i>	Common chickweed	Susceptible
VERHE	<i>Veronica hederifolia</i>	Speedwell species	Susceptible
VIOAR	<i>Viola arvensis</i>	Field pansy	Susceptible

<b>Timing</b>	<b>Pre-emergence</b>		
<b>Crop</b>	<b>Potato, Carrot, Field beans (spring), Combining peas (spring), Vining peas</b>		
<b>Rate of Application</b>	<b>3.0 L product / ha</b>		
	<b>Broad-leaved and grass weeds</b>		
AMARE	<i>Amaranthus retroflexus</i>	Common amaranth	Susceptible
CAPBP	<i>Capsella bursa-pastoris</i>	Shepherd's purse	Susceptible
CHEAL	<i>Chenopodium album</i>	Fat Hen	Susceptible
DIGSA	<i>Digitaria sanguinalis</i>	Hairy fingergrass	Moderately susceptible
ECHCG	<i>Echinochloa crus-galli</i>	Cockspur grass	Moderately Susceptible
FUMOF	<i>Fumaria officinalis</i>	Common fumitory	Moderately Susceptible
GALAP	<i>Galium aparine</i>	Cleavers	Moderately Susceptible
LAMAM	<i>Lamium amplexicaule</i>	Henbit deadnettle	Susceptible

LAMPU	<i>Lamium purpureum</i>	Red deadnettle	Susceptible
MATSS	<i>Matricaria sp.</i>	Mayweed species	Moderately Susceptible
MERAN	<i>Mercurialis annua</i>	Annual mercury	Moderately Susceptible
MYOAR	<i>Myosotis arvensis</i>	Field forget-me-not	Susceptible
POAAN	<i>Poa annua</i>	Annual meadowgrass	Moderately Susceptible
POLAV	<i>Polygonum aviculare</i>	Knotgrass	Susceptible
POLCO	<i>Fallopia convolvulus</i>	Black bindweed	Moderately Susceptible
POLPE	<i>Persicaria maculosa</i>	Redshank	Moderately Susceptible
SENVU	<i>Senecio vulgaris</i>	Groundsel	Susceptible
SOLNI	<i>Solanum nigrum</i>	Black nightshade	Susceptible
SONSS	<i>Sonchus sp.</i>	Sowthistles	Susceptible
STEME	<i>Stellaria media</i>	Common chickweed	Susceptible
URTUR	<i>Urtica urens</i>	Small nettle	Susceptible
VERAR	<i>Veronica arvensis</i>	Wall speedwell	Susceptible
VERHE	<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Susceptible
VERPE	<i>Veronica persica</i>	Common field speedwell	Susceptible
VIOAR	<i>Viola arvensis</i>	Field pansy	Susceptible

Where: S – Susceptible (>85% control), MS – Moderately Susceptible (75-85% control)

**RESISTANCE:** As part of Good Agricultural Practice steps should be taken to adopt a resistance management strategy as standard. STALLION®Sync<sup>Tec</sup> should be alternated with herbicides with a different mode of action and a similar spectrum of activity. Any subsequent herbicide applications should be made using herbicides with a different mode of action. Strains of some annual grasses (eg 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. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

Populations of Black-grass and Italian ryegrass with high levels of enhanced metabolism resistance will not be fully controlled.

Key elements of the resistance management strategy for STALLION®Sync<sup>Tec</sup>:

- Always follow WRAG guidelines for preventing and managing herbicide resistant weeds.
- Maximise the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, stale seedbeds, delayed drilling, etc).
- Monitor fields regularly and investigate the reasons for any poor control.

**TIMING OF APPLICATION:** Field beans (spring), combining peas: STALLION®Sync<sup>Tec</sup> should be applied as soon as possible following sowing of the crop and before emergence of both the crop and target weeds.

**DOSE:** 3.0 litres product/ha in field beans (spring), combining peas.

**VOLUME AND SPRAY QUALITY:** Apply in 200 – 400 litres of water per hectare as a COARSE spray (as defined by BCPC). When applying STALLION®Sync<sup>Tec</sup> care should be taken to avoid overlap of spray swaths.

**SOIL TYPE:** Do not use STALLION®Sync<sup>Tec</sup> on sands or very light soils. Do not use on soils with more than 10% organic matter.

On stony or gravelly soils there is a risk of crop damage, especially if heavy rain falls soon after application.

Do not use on water logged soil or soils prone to water logging.

Residual control may be reduced on soils with a high Kd factor and where ash content is high. Soil disturbance will result in reduced weed control.

**SEED DEPTH / SEEDBED CONDITIONS:** It is important for crop safety that the seed is covered by a minimum of 25mm of soil. Direct drilled crops should be harrowed across slits to cover the seed before spraying. For optimum efficacy seedbeds should be firm, level and free of clods, loose and puffy seedbeds should be consolidated before spraying. Unconsolidated clods (especially if larger than 75mm (3") diameter) may reduce the level of weed control and cause seed to be inadequately covered, which could result in crop damage.

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

#### **Crop safety**

- Extreme care must be taken to avoid drift on to crops and non-target plants outside of the target area.
- Seed should be covered with a minimum of 25 mm of settled soil.
- Do not incorporate into soil.

- Do not undersow crops treated with STALLION®Sync<sup>TEC</sup>.
- STALLION®Sync<sup>TEC</sup> should not be used on protected crops, or in greenhouses.
- Under certain climatic conditions, i.e. hot and humid weather, clomazone has the potential to volatilise and cause bleaching of off-target crops and other plant species. This transient effect is outgrown and has no long term effect on plant growth.
- DO NOT leave the mixed spray solution standing in spray tank overnight or prolonged periods of time as this may increase the risk of off target effects.
- Do not apply if plumule is less than 13mm from the soil surface.
- There is a risk to adjacent crops and non-crop vegetation from the volatilisation of STALLION®Sync<sup>TEC</sup>. This may result in damage/bleaching to neighbouring vegetation. If effects are seen they must be reported via the stewardship programme [www.fmc-agro.co.uk](http://www.fmc-agro.co.uk).

### Other Restrictions/Warnings

Concentrated or diluted solution will stain. Avoid spillage.

Staining is minimised or completely removed if skin and clothes are washed immediately.

Hose down machinery immediately after use with a spray tank cleaner.

**FOLLOWING CROPS:** After an application with 3.0 litres product/ha STALLION®Sync<sup>TEC</sup> the following restrictions apply:

**Following crops after normal harvest** - Following normal harvest of a treated crop, the following crops can be planted: cereals, linseed, rape, field beans, combining peas, vining peas, potato, maize, turnip, linseed, carrot, soybean, lucerne, dwarf French beans, onion, and sugar beet. Five months must elapse after application of STALLION®Sync<sup>TEC</sup> before sowing of cereals, maize, and onion. Twelve months must elapse after application of STALLION®Sync<sup>TEC</sup> before planting sugar beet. Soil must be ploughed and cultivated to a minimum depth of 25 cm before planting.

**Following crops in the event of crop failure** - In the event of crop failure, soil must be ploughed and cultivated to a minimum depth of 25 cm before planting replacement crops. The following crops can be planted after the minimum intervals specified below.

Application timing	Minimum interval	In the event of crop failure, the following crops may be drilled:
Autumn	5 months	Combining peas, Potatoes, Field beans
	7 months	Spring cereals, maize, turnip, onion, carrot, linseed.
Spring	6 weeks	Field Beans, Combining peas, Vining Peas, Soybean
	7 weeks	Potatoes
	2 months	Carrots, Turnip, Linseed
	3 months	Dwarf French bean
	5 months	Maize, Onion
	12 months	Sugar beet

**Description of damage to rotational crops:** None, when minimum waiting periods between application and sowing or planting of succeeding crops are observed – As listed above

**MIXING:** Before using STALLION®Sync<sup>TEC</sup> ensure the spray equipment is clean.

1. Half fill the tank with clean water and commence agitation. Add the required dose to the spray tank and complete filling, continuing agitation until spraying is completed.
2. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
3. On preparation of spray solution, use immediately.

If using an induction system then mixing should be as follows:

1. Half fill the induction bowl with clean water.
2. Slowly pour the required amount of product into the induction bowl, turn on the pump and suck the contents of the induction bowl into the spray tank, at the same time rinsing the bowl.
3. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
4. Repeat the procedure of half filling the bowl with water and sucking out until no trace of product remains on the mesh, filter, drain hole or sides of the bowl.
5. Ensure all contents are sucked out and the bowl is thoroughly rinsed before adding any tank-mix partner.
6. On preparation of the spray solution use immediately, do not leave spray solution standing in the tank. Maintain agitation at all times.

**SPRAY TANK CLEAN OUT:** To avoid subsequent damage to other crops, thoroughly clean all spray equipment (including the inside and outside of the lid) using clean water. Completely fill and flush the contents of the spray tank a minimum of three times before any subsequent operations. Spray equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than beans or peas.

**WARRANTY:** The seller makes no warranty, expressed or implied, concerning the use of the product other than indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or storage of the product if this use and/or handling and/or storage are carried out contrary to label instructions.

**DAMAGES:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damage not exceeding the purchase price of the product, and shall not include incidental or consequential damages.