Stomp® Aqua

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MAPP 14664

A capsule suspension containing 455 g/l pendimethalin. A herbicide for the control of a range of grass and annual broad-leaved weeds in a wide range of crops.

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

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.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves
WASH CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before meals and after work.
AVOID ALL CONTACT BY MOUTH.
DO NOT BREATHE SPRAY

Environmental protection

Extreme care should be taken to avoid damage by drift onto plants outside the target area.
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 to surface water bodies in line with LERAP requirement.
DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) 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 Environment Risk Assessment for Pesticides (LERAP) scheme. 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 three years.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely. Keep dry and frostproof in a suitable pesticide store.

LERAP B

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This label is compliant with the CPA Voluntary Initiative Guidance

The Voluntary Initiative

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Stomp® Aqua

A capsule suspension containing
455 g/litre pendimethalin



WARNING:
MAY CAUSE AN ALLERGIC SKIN REACTION.
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

AVOID BREATHING SPRAY.
CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.
WEAR PROTECTIVE GLOVES.
IF ON SKIN (ON HAIR): WASH WITH PLENTY OF SOAP AND WATER.
IF SKIN IRRITATION OR RASH OCCURS: CALL A POISON CENTRE OR DOCTOR/PHYSICIAN.
DISPOSE OF CONTENTS/CONTAINER TO A LICENSED HAZARDOUS-WASTE DISPOSAL CONTRACTOR OR COLLECTION SITE EXCEPT FOR EMPTY CLEAN CONTAINERS WHICH CAN BE DISPOSED OF AS NON-HAZARDOUS WASTE.

CONTAINS PENDIMETHALIN. MAY PRODUCE AN ALLERGIC REACTION.

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

This product is approved under the Plant Protection Products Regulations.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE, as directed below:

Crops	Maximum Individual Dose	Maximum Number of Treatments	Latest Time of Application
Winter wheat, Durum wheat, Winter barley, Winter rye and Triticale	2.9 litres product/ha	One per crop	Before leaf sheath erect stage (crop GS 30)
Spring barley, potato, combining pea and sunflower	2.9 litres product/ha	One per crop	Pre-crop emergence
Forage maize, Grain maize	3.3 litres product/ha	One per crop	Before 4th leaf stage
Forage maize (grown under temporary plastic mulch), Grain maize (grown under temporary plastic mulch)	3.3 litres product/ha	One per crop	Pre-crop emergence
Bulb onion (spring and autumn, drilled and transplanted)	2.9 litres product/ha	One per crop	Pre-crop emergence
Leek	2.9 litres product/ha	One per crop	Pre-crop emergence
Carrot and parsnip	2.9 litres product/ha	One per crop	Pre-crop emergence
Broccoli/calabrese, Brussels sprout, Cabbage, Cauliflower	2.9 litres product/ha	One per crop	Before transplanting
Blackcurrant, Gooseberry	2.9 litres product/ha	One per year	Before bud burst
Strawberry	2.9 litres product/ha	One per year	After flower initiation but before flower truss emergence
Apple, Cherry, Pear, Plum	2.9 litres product/ha	One per year	Before bud burst
Raspberry, Loganberry, Rubus hybrid, Blackberry	2.9 litres product/ha	One per year	After harvest but before bud burst

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.

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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.

A herbicide for the control of annual-grass and broad-leaved weeds in a wide range of crops.

1. Restrictions/Warnings

1.1 Efficacy

Some soil moisture must be present for STOMP AQUA to be activated. Best results will be obtained if rainfall occurs within seven days of application.

Residual control may be reduced:
- under prolonged dry conditions
- on soils with a high Kd factor
- where organic matter exceeds 6%
- where ash content is high

Do not disturb the soil after STOMP AQUA has been applied as this will result in reduced weed control.
Where cultural techniques which encourage the build up of organic residues in the surface soil are practised for a number of seasons, the effectiveness of residual herbicides may be reduced. In such circumstances periodic ploughing is recommended to disperse residues into a greater volume of soil.

1.2 Soil types

Stomp Aqua may be used on all mineral soil types.
Do not use on soils with more than 10% organic matter.
On stony or gravely 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.

1.3 Seedbed preparation

Trash and straw should be incorporated evenly during seedbed preparation.
Seedbed must have a fine, firm tilth.
Consolidate loose or cloddy seedbeds before use.
Following pre-emergence applications, 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.

1.4 Crop safety

Extreme care should be taken to avoid damage by drift onto plants outside the target area.
Do not apply STOMP AQUA to crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed conditions or previous chemical treatment.
Seed should be covered with a minimum of 3.2cm of settled soil (2.5cm for Peas and Sunflowers, 5cm for Maize).
Shallow drilled crops should be treated post-emergence.
Do not soil incorporate.
Do not spray undersown crops.
Do not undersow crops treated with STOMP AQUA.
STOMP AQUA should not be used on protected crops, or in greenhouses.

1.5 Other Restrictions/Warnings

Before using STOMP AQUA on crops to be processed please consult your processor.

Concentrated or diluted STOMP AQUA may 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.

2. Weed Control

2.1 Cereals

2.1.1 STOMP AQUA applied alone
All weed susceptibility ratings in the table below are for applications made pre-emergence of the weeds.

CROPS	Winter Wheat, Durum Wheat, Winter Barley, Winter Rye & Triticale		Spring Barley
PRODUCT	STOMP AQUA		STOMP AQUA
RATE (litres/ha)	2.9	2.2	2.9
GRASS WEED CONTROL			
Annual Meadow-grass	S	S	S
Awned Canary Grass	-	-	-
Black-grass	-	-	-
Rough Meadow-grass	MS	MS	MS

BROAD-LEAVED WEEDS			
Black-bindweed	-	-	-
Black Nightshade	-	-	-
Cleavers	-	-	-
Common Chickweed	S	S	S
Common Fumitory	MS	-	MS
Common Orache	S	MS	S
Common Poppy	S	MS	S
Corn Buttercup	-	-	-
Corn Marigold	S	S	S
Fat-hen	S	MS	S
Field Forget-me-not	S	MS	S
Field Pansy	S	MS	S
Hemp-nettle (Day Nettle)	S	S	S
Henbit Dead-nettle	S	S	S
Knotgrass	S	MS	S
Mayweeds	MS	-	-
Parsley Piert	S	S	S
Red Dead-nettle	S	S	S
Redshank (early germinating)	-	-	-
Scarlet Pimpernel	S	S	S
Shepherd's Purse	MS	-	MS
Small Nettle	S	-	S
Smooth Sow thistle	S	MS	S
Speedwells	S	S	S
Volunteer Oilseed Rape (1)	S	S	MS

S = Susceptible
MS = Moderately susceptible
(1) = Deep germinating Volunteer Oilseed Rape may not be controlled
- = no data

2.1.2 Stomp Aqua plus tank mix partner

CROPS	Winter Wheat	Winter Wheat
PRODUCT	STOMP AQUA	STOMP AQUA
RATE (litres/ha)	2.9	2.9
Tank mix partner RATE (g a.s./ha or g/ha)	Atlantis WG 400 g/ha + 0.5% Biopower	Lexus SX 20 g/ha
GRASS WEED CONTROL		
Annual Meadow-grass	S up to 1st node (GS 31)	S pre-em,MS up to 2 lvs
Awned Canary Grass	-	-
Black-grass	S up to 1st node (GS 31)	S up to mid tiller
Loose Silky Bent	-	S up to 3 lvs
Rough Meadow-grass	S up to 1st node (GS 31)	MS pre-em,MS up to 2 lvs
Italian Ryegrass	S up to stem elongation (GS 30)	-
Perennial Ryegrass (from seed)	S up to 1st node (GS 31)	-
Wild oats (Autumn germinating)	S up to 1st node (GS 31)	-
CROPS	Winter Wheat	Winter Wheat

PRODUCT RATE (litres/ha)	STOMP AQUA 2.9	STOMP AQUA 2.9
Tank mix partner RATE (g a.s./ha or g/ha)	Atlantis WG 400 g/ha + 0.5% Biopower	Lexus SX 20 g/ha
BROAD-LEAVED WEEDS		
Black-bindweed	-	-
Charlock	S up to 2 lvs	S up to 6 lvs
Cleavers	S up to 2 whorl	MR up to 1 whorl
Common Chickweed	S up to 8 lvs	MS up to 6 lvs (2)
Common Fumitory	MS pre-em	MS pre-em
Common Orache	S pre-em	S pre-em
Common Poppy	S up to 8 lvs	MS up to 6 lvs
Corn Marigold	S pre-em	S pre-em
Corn Spurrey	-	-
Crane's bill	-	S up to 6 lvs
Fat-hen	S pre-em	S pre-em
Field Forget-me-not	S pre-em	S up to 6 lvs
Field Pansy	S up to 2 lvs	S pre-em
Fools Parsley	-	-
Groundsel	-	S up to 6 lvs
Hemp-nettle (Day Nettle)	S pre-em	S pre-em
Henbit Dead-nettle	S pre-em	S up to 6 lvs
Knotgrass	S pre-em	S pre-em
Mayweeds	S up to 8 lvs	S up to 6 lvs
Parsley Piert	S pre-em	S pre-em
Red Dead-nettle	S pre-em	S pre-em
Redshank (early germinating)	-	-
Scarlet Pimpernel	S pre-em	S pre-em
Shepherd's Purse	S up to 4 lvs	S up to 6 lvs
Small Nettle	S pre-em	S pre-em
Smooth Sowthistle	S pre-em	S pre-em
Speedwells	S up to 2 lvs	S pre-em
Volunteer Oilseed Rape (1)	S pre-em	S up to 6 lvs
Wild radish	-	-

S = Susceptible
MS = Moderately susceptible
# = Limited trials results indicate control
(1) = Deep germinating Volunteer Oilseed Rape may not be controlled
(2) = Regrowth of chickweed may occur where residual activity is reduced by excessive rainfall, warm soils and/or very dry soil conditions.
- = no data

2.2 Other crops

All weed susceptibility ratings in the table below are for applications made pre-emergence of the weeds.

CROPS	Combining peas Sunflowers Carrots Parsnips Strawberries Bush fruit Cane fruit Top fruit	Onions Leeks Transplanted Brassicas :- (Brussels sprouts, Broccoli, Cabbages, Calabrese, Cauliflowers)	Forage and Grain Maize (including crops grown under temporary plastic mulch)	Potatoes :- (First Early Second Early, Maincrop)
PRODUCT RATE (litres/ha) **Tank mix partner** RATE (kg or litres/ha)	STOMP AQUA 2.9	STOMP AQUA 2.9	STOMP AQUA 3.3	STOMP AQUA 2.9 Sencorex WG 0.5 kg/ha
Annual Meadow-grass	S	S	S	S
Black-grass	-	-	-	-
Rough Meadow-grass	MS	MS	MS	MS
Black &White Mustard	-	-	-	-
Black bindweed	-	-	-	MS
Black Nightshade	-	-	S #	-
Charlock	-	-	-	S
Cleavers (#)	-	-	-	MS
Common Chickweed	S	S	S	S
Common Fumitory (#)	*MS	MS	MS	MS
Common Orache	S	S	S	S
Common Poppy	S	S	S	S
Corn Buttercup	-	-	-	-
Corn Marigold	S	S	S	S
Fat-hen	S	S	S	S
Field Forget-me-not	S	S	S	S
Field Pansy	S	S	S	S
Groundsel	-	-	-	S
Hemp (Day) -nettle	S	S	S	S
Henbit Dead-nettle	S	S	S	S
Knotgrass	S	S	S	S
Mayweeds (#)	-	-	-	S
Parsley Piert	S	S	S	S
Red Dead Nettle	S	S	S	S
Redshank (1)	-	-	-	S
Scarlet Pimpernel	S	S	S	S
Shepherd's Purse	*MS	MS	MS	MS
Small Nettle	S	S	S	S
Smooth Sowthistle	S	S	S	MS
Speedwells	S	S	S	S
Volunteer Oilseed Rape (2)	MS	MS	MS	S

S = Susceptible
MS = Moderately susceptible
* = Control may be achieved under favourable conditions
(1) = Early germinating
(2) = Deep germinating Volunteer Oilseed Rape may not be controlled.
= If application is followed by a period of dry conditions, or in situations where very heavy populations occur, a sequence of Stomp Aqua and a product applied post-emergence may be necessary.
- = no data

2.3 Resistance management

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 STOMP AQUA:
- 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).
- Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.
- For the control of herbicide resistant grassweeds, always use STOMP AQUA in tank mix or sequence with other effective graminicides with different modes of action.
- Apply pre-emergence of weeds wherever possible. If applications are delayed, apply post-emergence products/mixtures to small, actively growing weeds, especially where high levels of resistance are suspected and to reduce the risk of resistance development.
- Monitor fields regularly and investigate the reasons for any poor control.

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3. Crop specific information

Stomp Aqua is recommended for use on all varieties of approved crops on any mineral soil except where indicated in the tables below.

3.1 Winter wheat including Durum wheat, winter barley

STOMP AQUA applied alone

Product	STOMP AQUA
Rate	2.9 or 2.2 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Pre-emergence of the crop to before leaf sheath erect stage, (GS30). Do not apply pre-emergence to crops drilled after 30th November.
Seed depth	Seed must be covered with a MINIMUM of 3.2cm of settled soil. ONLY treat shallow drilled crops POST-EMERGENCE

3.2 Winter wheat

STOMP AQUA applied in tank mix with Atlantis WG

Product	STOMP AQUA + Atlantis WG + Biopower
Rate	2.9 l/ha + 400 g/ha + 0.5%
Water volume	200 litres/hectare.
Timing	Apply post-emergence from 2 leaves on the crop. Apply to young, actively growing weeds. Optimum timing for Black-grass control is 1-3 leaves of the Black-grass.
Notes	For optimum activity, apply when weather conditions promote active weed growth. Do not apply to crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed conditions or previous chemical treatment. Under certain climatic, soil and crop conditions some slight chlorosis and stunting of the crop may occur. If frost is likely, avoid spraying non frost-hardened crops. Avoid spraying during periods of prolonged or severe frost. Control may be reduced if rain falls within 2 hours of application. Thoroughly clean all spray equipment with a proprietary sprayer cleaner immediately after spraying to avoid subsequent damage to crops other than cereals. Consult Atlantis WG product label for information on sequences with other sulfonylurea or 'ALS-inhibiting' herbicides.

STOMP AQUA applied in tank mix with Lexus SX

Product	STOMP AQUA + Lexus SX
Rate	2.9 l/ha + 20 g/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply post-emergence from 2 leaves on the crop. Apply to young, actively growing weeds. Optimum timing for Black-grass control is 1-3 leaves of the Black-grass.
Notes	For optimum activity, apply when weather conditions promote active weed growth. Do not apply to crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed conditions or previous chemical treatment. Under certain climatic, soil and crop conditions some slight chlorosis and stunting of the crop may occur. If frost is likely, avoid spraying non frost-hardened crops. Avoid spraying during periods of prolonged or severe frost. Do not apply if rain is imminent. Thoroughly clean all spray equipment with a proprietary sprayer cleaner immediately after spraying to avoid subsequent damage to crops other than cereals. Consult Lexus SX product label for information on sequences with other sulfonylurea or 'ALS-inhibiting' herbicides.

3.3 Winter rye, Triticale

Product	STOMP AQUA
Rate	2.9 or 2.2 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Pre-emergence of the crop to before leaf sheath erect stage, (GS30). Do not apply pre-emergence to crops drilled after 30th November.
Seed depth	Seed must be covered with a MINIMUM of 3.2cm of settled soil. ONLY treat shallow drilled crops POST-EMERGENCE.

3.4 Spring barley

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Pre-emergence of the crop. Apply STOMP AQUA as soon as possible after drilling and before emergence. Due to risk of dry soils, do not apply STOMP AQUA alone after the end of March (mid April in Scotland) unless rainfall is imminent.
Seed depth	Seed must be covered with a MINIMUM of 3.2cm of settled soil.

3.5 Combining Peas

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Pre-emergence of the crop. Apply STOMP AQUA as soon as possible after sowing and final seedbed preparation. Do not apply if the plumule is less than 13mm from the soil surface. Due to risk of dry soils, do not apply STOMP AQUA alone after the end of March (mid April in Scotland) unless rainfall is imminent.
Soil types	All mineral soils except gravelly soils
Seed depth	Seed must be covered with a MINIMUM of 2.5cm of settled soil.

3.6 Potatoes (First early, second early & maincrops)

Products	STOMP AQUA + Sencorex WG
Rate	2.9 l/ha + 0.5 kg/ha. In dry conditions apply a STOMP AQUA – Sencorex WG sequence.
Water volume	200 litres/hectare.
Timing	Pre-emergence of the crop. Apply as soon as possible after planting and final ridging up. Loose structured ridges must be allowed time for settlement before application. Do not apply later than 7 days before emergence.
Soil types	Do not use on Sands (S), Gravelly or Stony soils.
Variety	Read the Sencorex WG label carefully, particularly with regard to varietal restrictions.
Application	STOMP AQUA + Sencorex WG should be applied in a minimum of 200 litres of water/ha.
Notes	Best weed control will be achieved with settled well-rounded ridges with few clods. If re-ridging is necessary, delay application until after the final ridging is completed. Slight distortion and discolouration of the initial shoots may occur if very heavy rain falls after application but before emergence, particularly to crops grown on very light soils. This is quickly outgrown and subsequent growth is unaffected. Read the Sencorex WG label carefully, particularly with regard to following crop restrictions.

3.7 Sunflowers

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply as soon as possible after sowing and final seedbed cultivation, before crop and weed emergence.
Seedbed	Consolidate seedbeds after drilling to provide a firm level soil. Seed should be drilled so that after seedbed consolidation it is covered by a minimum of 2.5cm of settled soil.

3.8 Carrots and Parsnips

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply as soon as possible after drilling but before crop and weed emergence.
Notes	If emerged weeds are present after drilling but pre-emergence of the crop, STOMP AQUA may be applied in tank mix with a recommended approved contact herbicide.

3.9 Transplanted Brassicas (Broccoli, Brussels sprouts, Cabbages, Calabrese, Cauliflowers)

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply after final plantbed cultivation but before transplanting. Do not apply STOMP AQUA post-planting as crop damage may occur. Do not apply STOMP AQUA to any transplanted brassicas when heavy rain is forecast.
Application	Do not incorporate and avoid all unnecessary disturbance to soil after application. When transplanting care must be taken not to introduce treated soil into the root zone. If necessary, irrigation should be used before application as some moisture is essential for the chemical to be activated.
Soil types	Do not use on crops grown on sands (CS, S, FS, LCS), very light soils (LS, LFS, CSL), as crop damage may result.
Notes	If emerged weeds are present at pre-transplanting application, apply STOMP AQUA in tank mix with a recommended approved contact herbicide.

3.10 Bulb onions (Spring and autumn, drilled or transplanted) and Leeks (drilled only)

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Drilled crops - apply STOMP AQUA as soon as possible after drilling but before crop or weed emergence. Transplanted crops - apply STOMP AQUA pre-transplanting. Do not apply STOMP AQUA to any onion or leek crop when heavy rain is forecast.
Seed depth	Seed should be covered with a minimum of 2.5cm of settled soil.
Application	When transplanting, care must be taken not to introduce treated soil into the root zone.
Soil types	STOMP AQUA is not recommended for use on onions or leeks grown on sands (CS, S, FS, LCS), very light soils (LS, LFS, CSL), as crop damage may result. STOMP AQUA is not recommended for use on onions or leeks grown on fen soils or other soils containing in excess of 10% organic matter, as weed control may be reduced.
Notes	If weeds are present, these can be controlled by applying STOMP AQUA in tank mix with a recommended contact herbicide. Read tank mix partner label carefully for restrictions on transplanted multi-seeded onions or leeks.

3.11 Forage and Grain maize (including crops grown under temporary plastic mulch)

Product	STOMP AQUA
Rate	3.3 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Forage and grain maize: before 4th leaf of the crop. Maize grown under temporary plastic mulch: pre-emergence.
Notes	Do not use on Sweetcorn or Maize grown for seed.Seed must be covered by a minimum of 5cm of settled soil. The use of STOMP AQUA may affect the full development of crown roots which function only to anchor the plant. This has no effect on the yield of maize. If application is followed by a period of dry conditions or in situations where very heavy populations occur, a sequence of STOMP AQUA and a product applied post-emergence may be necessary.

3.12 Strawberries (Maiden and Established crops)

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	<u>Maiden Beds</u> - runners should be planted so that roots are well covered. - good consolidation of the plantbed is necessary for good weed control. - STOMP AQUA should be applied to dormant newly planted runners in the autumn or early spring immediately after planting and prior to weed emergence. - if runners are likely to be slow in establishing due to stress conditions, such as drought, at the time of planting, the application of STOMP AQUA should be delayed until plants have established and are free of stress. - application made after runners have started growing away may reduce the initial vigour of new foliage but this will be rapidly outgrown. - do not apply STOMP AQUA before October to beds newly planted with cold-stored runners or beds newly planted in late summer. - pre-planting application of STOMP AQUA is not recommended. <u>Established beds</u> - apply STOMP AQUA to weed free soil from autumn to early spring during the dormant period of the crop. - STOMP AQUA applied after the end of March or after the emergence of flower trusses in the spring may affect crop yield, particularly if conditions adverse to vigorous plant growth follow application. - do not apply STOMP AQUA during the flower initiation period (immediately post-harvest to mid-September).
Notes	Leaf growth of strawberries may be checked following applications of STOMP AQUA in the spring but, in extensive experimentation, this has been shown not to affect yield. Do NOT use STOMP AQUA on protected crops or crops grown in green houses.

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3.13 Bush Fruit – Blackcurrants, Gooseberries

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply STOMP AQUA after final cultivation to weed-free soil from autumn to early spring during the dormant period of the crop before bud burst, either over the top or as a directed spray. STOMP AQUA is not recommended for use in the season of planting.
Tank mixes	If emerged weeds are present at application, STOMP AQUA may be applied as a directed spray in tank mix with a recommended approved contact herbicide.

3.14 Cane Fruit – Raspberries, Loganberries, Tayberries, Blackberries

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply STOMP AQUA after final cultivation to weed-free soil from autumn to early spring. STOMP AQUA is not recommended for use after the end of March unless adequate soil moisture is present as some soil moisture present is essential for the chemical to be activated. Do not apply to autumn fruiting raspberries. Newly planted crops: - STOMP AQUA should be applied immediately after planting. - a light ridging along the cane row before application is recommended to ensure roots are well covered. - STOMP AQUA should be applied well before the emergence of the new canes. Established crops: - STOMP AQUA should be applied as soon as the canes have been cut out and tied, but before bud burst.
Tank mixes	If emerged weeds are present at application, STOMP AQUA may be applied as a directed spray in tank mix with a recommended approved contact herbicide.

3.15 Top Fruit – Apples, Cherries, Pears, Plums

Product	STOMP AQUA
Rate	2.9 l/ha
Water volume	100 to 200 litres/hectare.
Timing	Apply STOMP AQUA to weed-free soil from autumn to early spring. STOMP AQUA is not recommended for use after the end of March unless adequate soil moisture is present as some soil moisture is essential for the chemical to be activated. STOMP AQUA is not recommended for use in the season of planting.
Tank mixes	If emerged weeds are present at the time of application, STOMP AQUA should be applied in tank mix with a recommended approved contact herbicide.

4. Following Crops

4.1 Following crops after normal harvest

Before Rye grass is drilled after a very dry season, plough or cultivate to at least 15cm.
If spring crops are to be followed by crops other than cereals plough or cultivate to at least 15cm.

4.2 In the event of crop failure

In the event of crop failure the land must be ploughed or thoroughly cultivated to a minimum depth of 15cm to ensure any residues are evenly dispersed throughout the soil.
The minimum intervals (specified below) should elapse between application of STOMP AQUA and the sowing of one of the following crops listed below.

Application timing	Minimum interval	In the event of crop failure, the following crops may be drilled:
Autumn	5 months	Spring wheat, Spring barley, Spring Field beans, Broad beans, Dwarf beans, Brussels sprouts, Cabbage, Calabrese, Carrots, Cauliflower, Parsnips, Parsley, Peas, Potato, Linseed, Maize, Turnip
Spring & early summer	2 months	Spring Field beans, Broad beans, Dwarf beans, Brussels sprouts, Cabbage, Calabrese, Carrots, Cauliflower, Parsnips, Parsley, Peas, Linseed, Turnip
	5 months	Any crop (with the exception of Red Beet, Sugar Beet and Spinach) may be planted or sown.
	12 months	Red Beet, Sugar Beet and Spinach

5. Mixing and Application

5.1 Mixing

Never prepare more spray solution than is required.
Three quarters fill the tank with clean water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of STOMP AQUA 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.
When tank mixes are to be used, each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s). Add products to the spray tank in the following order:

1) Wettable powders (WP)
2) Dry flowables or water dispersible granules (WG)
3) Suspensions (e.g. Stomp Aqua)
4) Suspension concentrates (e.g. SC or SE)
5) Emulsifiable concentrates (e.g. EW or EC)
6) Soluble concentrates (SL)

Maintain agitation at all times.
Spray out as soon as possible after mixing.
Do not let the mixture stand.

5.2 Application

Ensure good, even spray cover of the target using a FINE or MEDIUM quality spray, as defined by BCPC.
Apply STOMP AQUA in 100-200 l/ha. For potatoes apply STOMP AQUA in minimum 200 l/ha water.
When tank mixing with other products use a minimum water volume of 150-200 l/ha depending on the tank mix partner.
Do not use less than 30 mesh inline boom or nozzle filters.

5.3 Sprayer cleaning

After spraying thoroughly clean and flush out application machinery with a minimum of three rinses, to ensure that all traces of product are removed to avoid sticking of dried material to spray tank walls or spray lines, etc.

6. Tank Mixtures

When tank-mixing ONLY APPLY within label conditions for each product.

6.1 Tank mixes for Winter cereals

If tank mixing with mecoprop, follow stewardship guidelines for timing of applications and rates of use.

Two-way mixes (up to max of 2.9 l/ha STOMP AQUA)	Ally SX
	Atlantis WG
	Lexus SX
	Oxytril CM
	Dursban 4
	Spannit
	Duplosan KV
	Decis
	Toppel 10

Omex Suspension Fertilisers :
STOMP AQUA may be applied pre-emergence of both crop and weeds in tank-mix with the Omex range of suspension fertilisers.
Pre-mix STOMP AQUA 1-to-1 with water prior to mixing with liquid fertilisers.
Add STOMP AQUA to the spray tank through the injection lance on the Omex equipment and continuous agitation should be maintained during mixing and until application is completed.
Apply in a minimum of 200 litres/hectare.
Do not soil incorporate.
For best weed control, an even coverage of the soil with the spray is essential.

6.1.2 Sequential treatments

STOMP AQUA may be used in sequence with any other approved product. Leave a minimum interval of 24 hours unless longer is specified on the label.
STOMP AQUA may be applied in sequence with Avadex Excel 15G provided only one product is applied pre-emergence of the crop.

6.2 Tank mixes for other crops

Potatoes	Sencorex WG	Do not exceed rates given in Weed Control section for STOMP AQUA + Sencorex WG

For up-to-date details of compatible tank-mixes, contact your supplier, local BASF representative or BASF Technical Services Hotline on 0845 6022553.

7. Trademark acknowledgements

Cycocel, Claymore and Stomp are registered trademarks of BASF.
Ally and Lexus are registered trademarks of DuPont.
Atlantis and Oxytril are registered trademarks of Bayer Cropscience Ltd.
Avadex is a registered trademark of Gowan.
Dursban and Flexidor are registered trademarks of Dow AgroSciences.
Spannit is a registered trademark of SumiAgro Limited.

The following does not form part of the product label under the UK Plant Protection Products Regulations or the Irish S.I. No. 83 of 2003.

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/stomp_aqua_sds

Alternatively, contact your supplier.

Stomp® Aqua

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MAPP 14664

A capsule suspension containing 455 g/l pendimethalin. A herbicide for the control of a range of grass and annual broad-leaved weeds in a wide range of crops.

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

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.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves
WASH CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before meals and after work.
AVOID ALL CONTACT BY MOUTH.
DO NOT BREATHE SPRAY

Environmental protection

Extreme care should be taken to avoid damage by drift onto plants outside the target area.
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 to surface water bodies in line with LERAP requirement.
DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) 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 Environment Risk Assessment for Pesticides (LERAP) scheme. 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 three years.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely. Keep dry and frostproof in a suitable pesticide store.

LERAP B

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This label is compliant with the CPA Voluntary Initiative Guidance

The Voluntary Initiative

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