

CLAYTON STANDUP

MAPP 11760 (P)

contains 700 g/l chlormequat chloride

A soluble concentrate growth regulator for use on winter and spring wheat, winter and spring oats, winter barley, winter rye and in ornamental plant production.



HARMFUL

HARMFUL IF SWALLOWED

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED ❖ IS A LEGAL REQUIREMENT			
FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL PLANT GROWTH REGULATOR			
Crop	Maximum individual dose of product	Maximum number of treatments per crop	Latest time of application
Winter wheat	Either 2.4 l/ha Or 1.7 l/ha plus 0.7 l/ha	One Two	Before the 1 st node detectable stage Before the 2 nd node detectable stage
Spring wheat	1.2 l/ha	One	Before the 1 st node detectable stage
Winter barley	2.4 l/ha	One	Before the 1 st node detectable stage
Winter oats	2.4 l/ha	One	Before the 3 rd node detectable stage
Spring oats			
Winter rye	2.4 l/ha	One	Before the 2 nd node detectable stage
Ornamental plant production	See 'Other specific restriction'	-	-
Other specific restriction When used in ornamental plant production, the maximum concentration must not exceed 500 ml product per 10 litres water.			
READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE			

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

WASH CONCENTRATE from skin or eyes immediately.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

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

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

- ❖ DO NOT RE-USE CONTAINER for any purpose.

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

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

Safety data sheet available for professional user on request.

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CLONEE

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Contents: **1-20 litres**

PROTECT FROM FROST

Batch No:

This product is approved under the Control of Pesticides Regulations 1986.

Conditions of Supply: all goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and after application which may affect the performance of the goods, 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 or resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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.

RESTRICTIONS

Do not apply Clayton Standup if night frost is expected.

Do not apply Clayton Standup under slow growing conditions, if crop is wet or if rain is imminent.

Do not apply in tank-mix with liquid nitrogen fertilisers.

Avoid spray drift onto neighbouring crops.

Do not use on very late sown spring crops.

Do not apply to crop on soils of low fertility unless they receive an adequate dressing of nitrogen fertiliser.

Applications must be made to stress-free crops under good growing conditions.

Do not apply to very late sown wheat or oats.

PROBLEM CONTROLLED

The use of Clayton Standup in winter wheat, barley, oats and rye can help produce shorter, thicker and stronger stems which can help reduce the risk of early lodging.

Clayton Standup is a useful growth regulator in a number of ornamental crops. When used at the correct stage, it can reduce internode length, thus producing compact and robust plants. It can also advance flower production and increase flower numbers. In bedding plants, "legginess" can be reduced and the period of saleability extended.

CROP SPECIFIC INFORMATION

Winter wheat

Single application

Apply 2.4 litres per hectare between the leaf sheath erect stage to before first node detectable stage (GS31).

Split application

Apply 1.7 litres per hectare from when the crop is at the tillers formed to leaf sheath lengthening stage. Make a follow up application of 0.7 litres per hectare when the crop is from the leaf sheath erect stage to before the second node detectable stage (GS32).

Apply in 200 – 400 litres water per hectare.

Winter and spring oats

Application rate: 2.4 litres/product/hectare

Apply before third node detectable stage of crop growth (GS33). When Clayton Standup is applied alone to oats, an approved non-ionic wetter should be added to the spray solution.

One application per crop.

Apply in 200 – 400 litres water per hectare.

Spring wheat

Application rate: 1.2 litres/product/ha

Apply from between the leaf sheath erect stage and to before first node detectable stage (GS31).

One application per crop.

Apply in 200 – 400 litres water per hectare.

Winter barley

Application rate: 2.4 litres/product/hectare.

Apply when the crop is at mid-tillering stage up to before first node detectable (GS31).

One application per crop

Apply in 200 – 400 litres water per hectare.

It should be noted that the beneficial effect of chlormequat when used on winter barley is not consistent.

Winter Rye

Application rate: 2.4 litres/product/hectare.

Apply when the crop is actively growing from the leaf-sheath erect stage to before second node detectable (GS32). Results will vary but lodging can often be prevented

Apply in 200-400 litres water per hectare.

Undersown crops

Clayton Standup may be applied to wheat and oats undersown with grass and clovers.

Ornamental crops

Response to treatment with Clayton Standup is variable and can differ widely depending on variety, stage or growth and physiological conditions of the plant. It is advisable to treat a few plants separately before treating a whole batch.

Application can be via the foliage or soil. Follow the recommendations given for individual species as results vary according to the species. Yellowing of foliage from foliar sprays can be reduced by adding Atlas Libsorb to the mixture at 2ml/5litres spray.

Crop	Rates of use	Timing
Hibiscus trionium	42ml/10 litres soil drench at 50ml/pot	To be applied as a soil drench when shoots are 5-6 cm long. This will give height reduction and more compact plants.
Poinsettia	<i>Soil drench:</i> 42 ml/10 litres at 50ml/pot, 10 days after potting <i>Foliar spray:</i> 20 ml/10 litres Up to 3 sprays at 10-14 day intervals. <i>Unpinched:</i> 10-14 days after potting <i>Pinched:</i> 7 days after pinching	Clayton Standup can be applied as a drench or foliar spray to shorten internode length and produce balanced growth. Treatment is beneficial in all year round production and when plants are potted early and begin active growth before the onset of short days. Treatment should not be needed where the plants are potted up after the middle of September.
Asiatic Hybrid Lilies	Soil drench 330ml/10 litres at 50ml/15cm pot	Treatment of hybrid Mid-Century types should be made when the shoots appear above ground and are 6-7cm high, to check excess vegetative growth.
Hybrid Geraniums	Drench or spray 25ml/10 litres at 50ml/pot	Apply as two sprays 7 and 9 weeks from sowing to induce early flowering and induce a dwarf habit. Drench when plants are well established.
Pelargonium zonale	Foliar Spray 13-25 mls/10 litres	For F1 zonal hybrids. Treatments will result in earlier flowering and improved growth habit. Apply when the plants have 4 fully expanded leaves, with a second spray 10-14 days later.
Bedding Plants	Spray or drench 20-42ml/10 litres	For use on Phlox, Antirrhinum, Celosia, Salvia. Apply as foliar spray or compost drench. Use higher rate for drench treatment. Only well established plants should be treated.
Camellia	Soil drench 42ml/10 litres at 50 ml/pot	Apply as a drench, monthly, to increase flower bud formation. Best combined with high N liquid feed.

MIXING AND SPRAYING

Before spraying it is important to check all hoses, filters and nozzles and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume.

Half fill the sprayer tank with water and add the required quantity of Clayton Standup. Top up the sprayer tank with water to the required level and agitate the mixture thoroughly before and during spraying.

COMPATIBILITY

Clayton Standup is compatible with approved salt formulations of the following:
2,4-D, Dichlorprop-P, Mecoprop-P and MCPA

Also with the following brand-named products:

Agricorn 500 II (M9155)	Deloxil (M09987)	Oxytril CM (M10005)
Agricorn DII (M09415)	Depitox (M11149)	Radar (M09168)
Agritox 50 (M07400)	Hispor 45 WP (M08418)	Swipe P (M08452)
Arelon (M11639)	Hyban P (M09129)	Tilt (M08456)
Cercobin Liquid (M09984)	Hyprone P (M09125)	Tolkan Liquid (M10895)
Clenecorn Super (M09818)	Hytane 500 FW (M08419)	
Compitox Plus (M10077)	Mextrol Biox (M09470)	

All tank mixtures must be used in accordance with the label recommendations.
Note that the optimum timing for most cereal herbicide applications is earlier than that for Clayton Standup

Clayton Standup should not be used in tank mix with cyanazine or herbicides containing cyanazine.
