

AUGUSTA

A suspension concentrate containing 250 g/litre (23.1% w/w) of azoxystrobin.

A broad spectrum fungicide for wheat, barley, oats, rye, triticale, oilseed rape, combining peas, fresh peas (vining peas, garden pea, mange tout, sugar snaps), fresh beans (broad beans, green beans), field beans, bulb onions, garlic, shallots, leeks, carrots, asparagus, potatoes, cabbage, cauliflower, Brussels sprouts, kale (winter greens), collard (spring greens), broccoli, calabrese, outdoor and protected crops of strawberry, outdoor and protected crops of lettuce, endive (including frisee, escarole)

FOR PROFESSIONAL USE ONLY

CLAYTON AUGUSTA is a suspension concentrate containing 250 g/litre (23.1% w/w) of azoxystrobin.



Signal Word: WARNING

Harmful if inhaled.
Very toxic to aquatic life with long-lasting effects.

Precautionary Statements

Avoid breathing dust/fumes/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE/doctor if you feel unwell.
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.
Contains 1,2-benzisothiazol-3-one. May produce an allergic reaction.

To avoid risks to human health and the environment, comply with the instructions for use. PCS 06635

SAFETY PRECAUTIONS

Operator protection

WASH SKIN/CLOTHES from skin or eyes immediately.
DO NOT OPERATE SPRAY.
WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental protection

Avoid drift on to non-target plants.
To protect aquatic life, for uses on crops broccoli, calabrese, Brussel sprouts, cabbage, cauliflower, collards, lettuce and kale, the maximum total dose applied must not exceed 500g azoxystrobin per hectare per year.
To protect aquatic organisms respect a 5m unsprayed buffer zone to surface water.
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.

Storage and disposal

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

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

In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

**PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE USE**

5 Litres e

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IN-FURROW APPLICATION (*POTATOES continued*)

Timing: **CLAYTON AUGUSTA** must be applied as an in-furrow application made at the time of planting for the reduction of Stem canker, Black scurf (*Rhizoctonia solani*) and Black dot (*Colletotrichum coccodes*).

Where **CLAYTON AUGUSTA** is applied as an in-furrow application, it is important to direct the spray into the planting furrow and not onto the seed tuber. Application should ensure that the **CLAYTON AUGUSTA** is applied to soil around the tuber.

Rate of Use: For in-furrow application made at planting: 3 L/ha. A maximum of one application per crop should be made.

Advisory Information: With in-furrow application, always target the soil and not the seed tuber in order to minimise any possible delay in emergence. Wherever possible, use properly chitted seed or cold-stored seed which has not started to sprout. Using seed which has just broken dormancy may well result in emergence delays.

Using **CLAYTON AUGUSTA** following earlier applications of imazalil, pencycuron or imazalil/pencycuron is likely to lead to a check in the speed of crop emergence. Effects are usually, but not always, outgrown.

Effects of soil type: Do not use **CLAYTON AUGUSTA** on high organic matter soils as the product will not be effective.

Potatoes for Processing: Where a crop of potatoes is destined for processing, consult processors before treating with **CLAYTON AUGUSTA**.

Resistance Management: The risk of resistance developing to **CLAYTON AUGUSTA** in *Rhizoctonia solani* (Black scurf and Stem canker) and *Colletotrichum coccodes* (Black dot) is considered to be very low. **CLAYTON AUGUSTA** should only be used in potato crops, which adhere to good rotation practices.

To avoid the likelihood of resistance developing to QoI compounds used to control potato late blight, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. If an application of **CLAYTON AUGUSTA** is made, no more than two further QoI treatments should be applied sequentially as the first sprays against late blight before using an alternative product.

WINTER & SPRING OILSEED RAPE

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects. Best results will be achieved from applications made as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems. Oilseed rape can be treated from BBCH 60-69.

A second treatment may be required if disease pressure remains high.

Sclerotinia - **CLAYTON AUGUSTA** should be applied as a protectant spray during flowering. The optimum timing is early flowering to mid flowering (GS60 - GS65).

Alternaria - Apply **CLAYTON AUGUSTA** as a protective spray at early pod formation when the first ten pods are longer than 4 cm, before they become knobby and not later than the time the first spots are seen on the pods.

Note: an application of **CLAYTON AUGUSTA** against Sclerotinia will significantly limit the development of Alternaria.

Rate of Use: 1 L/ha.

Resistance Management: To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not make more than two applications of **CLAYTON AUGUSTA** to crops of oilseed rape. Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KALE (WINTER GREENS), COLLARDS (SPRING GREENS), BROCCOLI & CALABRESE

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects. Always inspect crops to assess disease development immediately before spraying.

Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Brassicacae can be treated from BBCH 16-49.

A second treatment may be required if disease pressure remains high. A minimum interval of 12 days must be observed between applications to brassicacae.

Rate of Use: 1 L/ha. A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

Resistance Management: To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compound. Do not apply more than a total of two applications of **CLAYTON AUGUSTA** to any brassica crop.

OUTDOOR & PROTECTED LETTUCE, ENDIVE (INCLUDING FRISEE & ESCAROLE).

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects. Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems. Lettuce, Endive (including frisee and escarole), and chicory (radicchio) can be treated from BBCH 14 - 49.

A minimum interval of 7 days must be observed between applications for both protected and outdoor uses.

Rate of Use: 1.0 L/ha. A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

Resistance Management: Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control including, where appropriate, other fungicides with a different mode of action. To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not apply more than a total of two applications, when used as part of a programme.

OUTDOOR & PROTECTED STRAWBERRY

Timing: For optimum results apply **CLAYTON AUGUSTA** as a protectant spray at the beginning of flowering. Two further applications can be made if disease pressure remains high. Application should be made in sequence with other products as part of a fungicide programme during flowering at a minimum interval of 7 days.

Strawberries can be treated from BBCH 51-89.

A minimum interval of 7 days must be observed between applications to all strawberry crops.

Rate of Use: 1.0 L/ha.

Processing: Where a crop is destined for processing, consult your processor before treating with **CLAYTON AUGUSTA**.

Resistance Management: Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action. To avoid the likelihood of resistance developing, applications of **CLAYTON AUGUSTA** should be made with due regard to current FRAC guidelines for QoI compounds as illustrated below in the following table:

Total number of fungicide spray applications per crop	1	2	3	4	5	6	7
Maximum recommended solo QoI fungicide sprays	1	1	2	2	2	2	2
Maximum recommended QoI fungicide sprays in mixture	1	2	2	2	2	3	3

No more than 3 applications of **CLAYTON AUGUSTA** are permitted per crop.

MIXING AND SPRAYING

Ensure that the sprayer is clean and correctly set to give an even application at the required volume. Half-fill the spray tank with clean water and start agitation. Shake the container and add the required amount of **CLAYTON AUGUSTA** to the sprayer using a filling device (e.g. induction bowl or closed transfer unit) or by direct addition to the sprayer tank.

Wash out containers thoroughly, preferably using an integrated pressure rinsing device, or manually rinse three times. Add washings to the sprayer at the time of filling.

Complete filling to the required volume and continue to agitate throughout the spraying operation.

Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).

VOLUME OF WATER AND SPRAYING

OUTDOOR CROPS

Apply using a medium quality spray (BCPC) at a pressure of at least 2 bar. Apply through conventional crop spraying equipment calibrated to give an even application at the correct volume.

Strawberries: Apply in at least 300 litres of water per hectare.

Brussels sprouts, cabbage, cauliflower, kale (winter greens), collards (spring greens), broccoli, calabrese: Apply in at least 250 litre of water per hectare.

Green beans, broad beans: Apply in at least 150 litres of water per hectare.

Lettuce and associated crops: Apply in at least 300 litres of water per hectare.

Cereals, combining peas, fish peas, field beans, oilseed rape, carrots, leek, bulb onions, garlic and shallots: Apply in at least 200 litres of water per hectare. In dense crops, increase the water volume to improve coverage.

Asparagus: For conventional tractor mounted crop spraying equipment, apply in at least 600 litres of water per hectare using a medium quality sprayer (BCPC) at a pressure of at least 2 bar.

For hand held spraying equipment, apply in at least 200 litres of water per hectare.

Potatoes in-furrow application use: Apply between 50-150 litres of water per hectare. Apply using specialist in-furrow application equipment. Contact your supplier or adviser for further details on suitable manufacturers of these sprayers.

Potatoes foliar application: Apply in at least 200 litres of water per hectare.

IN-FURROW CROPS

Application should be made via a hydraulic nozzle applicator e.g. motorised sprayer with hand or boom lance or via a knapsack sprayer.

Lettuce and associated crops: Apply in at least 300 litres of water per hectare.

Strawberry: Apply in at least 100 litres of water per hectare.

AFTER SPRAYING

Thoroughly wash out sprayer according to manufacturer's guidelines and dispose of washing and clean containers according to DEFRA Code of Practice and local water authority guidelines.

DIRECTIONS FOR USE OF CLAYTON AUGUSTA

IMPORTANT INFORMATION: FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crops	Maximum Individual Dose (product/ha)	Maximum number of treatments per crop	Maximum total dose L/ha	Latest time of application
Winter wheat, spring wheat, rye & ritalc	1	2	2	Before watery ripe stage (GS 71)
Winter barley, spring barley, oats	1	2	2	Before beginning of flowering (GS 61)
Oilseed rape (winter & spring)	1	2	2	21 days before harvest
Peas - combining, Field beans	1	2	2	35 days before harvest
Broad beans, Vining peas	1	2	2	14 days before harvest
Bulb onions, garlic, shallots, carrots	1	3	3	14 days before harvest
Leeks	1	3	3	21 days before harvest
Asparagus (outdoor)	1	2	2	Before senescence
** Field crops of Brussels sprout, Cabbage, cauliflower, kale (winter greens), collards (spring greens), broccoli & calabrese	1	2	2	14 days before harvest
Strawberries (field & protected)	1	3	3	3 days before harvest
**Lettuce, endive (field & protected)	1	2	2	14 days before harvest
Potato (in-furrow)	3	1	3	At planting
Potato (foliar spray)	0,5	3	1,5	7 days before harvest

Other specific restrictions

To reduce the risk of resistance developing in target diseases the total number of applications of product containing QoI fungicides made to any cereal crop must not exceed two.

**For uses on crops of broccoli, calabrese, Brussels sprouts, cabbage, cauliflower, collards, lettuce, endive and kale, a maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

COMPANY ADVISORY INFORMATION

This information is not part of the approved label but provides additional Company advice on the product use.

Good Field Practice: It is recommended that appropriate clothing e.g., coveralls and protective gloves are worn when handling the concentrate.

Resistance Management **CLAYTON AUGUSTA** contains azoxystrobin a member of the QoI cross resistance group. **CLAYTON AUGUSTA** should be used preventatively and should not be relied on for its curative potential. Disease control may be reduced if strains of pathogens less sensitive to azoxystrobin develop.

Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compound.

This product is to be used only in accordance with the recommendations and instructions given on the label provided with this pack.

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.

GENERAL INFORMATION

CLAYTON AUGUSTA contains azoxystrobin, a broad spectrum fungicide from the strobilurin group. It has systemic, translaminar and protectant properties.

Azoxystrobin inhibits fungal respiration. Its mode of action is different from the action of other fungicidal groups. It should always be used in mixture with fungicides with other modes of action.

CLAYTON AUGUSTA shows good crop safety, disease control and maintenance of green leaf area which result in significant yield benefits.

CLAYTON AUGUSTA is best used as a protective treatment or during early stages of disease establishment. In cereals, the length of disease control is generally about four to six weeks during the period of active stem elongation but can be more when applied at flag leaf/ear emergence.

CLAYTON AUGUSTA is approved for application to wheat, barley, oats, rye, triticale, oilseed rape, combining peas, fresh peas (vining peas, garden pea, mange tout, sugar snaps), fresh beans (broad beans, green beans), field beans, bulb onions, garlic, shallots, leeks, carrots, asparagus, potatoes, cabbage, cauliflower, Brussels sprouts, kale (winter greens), collard (spring greens), broccoli, calabrese, outdoor and protected crops of strawberry, outdoor and protected crops of lettuce, endive (including frisee, escarole).

RESTRICTIONS

Certain apple varieties are highly sensitive to **CLAYTON AUGUSTA**. As a precaution **CLAYTON AUGUSTA** should not be applied when there is a risk of spray drift onto neighbouring apple crops. Spray equipment used to apply **CLAYTON AUGUSTA** to other crops should not be used to treat apples.

Apply **CLAYTON AUGUSTA** under good growing conditions with adequate soil moisture. Avoid poor growing conditions which may give less reliable results.

CROP SPECIFIC INFORMATION

CROPS

CLAYTON AUGUSTA is approved for application to wheat, barley, oats, rye, triticale, combining peas, fresh peas (vining peas, garden pea, mange tout, sugar snaps), fresh beans (broad beans, green beans), field beans, bulb onions, garlic, shallots, leeks, carrots, asparagus, potatoes, oilseed rape, cabbage, cauliflower, Brussels sprouts, kale (winter greens), collard (spring greens), broccoli, calabrese, outdoor and protected crops of strawberry, outdoor and protected crops of lettuce, endive (including frisee, escarole).

DISEASES CONTROLLED

Wheat	Glume Blotch (<i>Leptosphaeria</i> (syn. <i>Septoria</i>) <i>nodorum</i>) Yellow Rust (<i>Puccinia striiformis</i>) Brown Rust (<i>Puccinia recondita</i>) Ear Diseases (<i>Cladosporium</i> , <i>Alternaria</i>) Can reduce the severity of Take-all (<i>Gaeumannomyces graminis</i> var. <i>Tritici</i>)
Barley	Net Blotch (<i>Pyrenophora teres</i>) moderate control Brown Rust (<i>Puccinia hordei</i>) Leaf Blotch (<i>Rhynchosporium secalis</i>) - reduction Can reduce the severity of Take-all (<i>Gaeumannomyces graminis</i> var. <i>Tritici</i>)
Oats	Crown Rust (<i>Puccinia coronata</i>)
Rye and Triticale	Brown Rust (<i>Puccinia recondita</i>) Leaf Blotch (<i>Rhynchosporium secalis</i>) - reduction Can reduce the severity of Take-all (<i>Gaeumannomyces graminis</i> var. <i>Tritici</i>)
Combining Peas, Vining Peas, Garden Peas, Sugar Snap, Mange Tout, Green Beans	Downy mildew (<i>Peronospora viciae</i>) - reduction Leaf and Pod Spot (<i>Ascochyta pisi</i>) – useful reduction When CLAYTON AUGUSTA is used to control leaf and pod spot, some control of Grey Mould (<i>Botrytis cinerea</i>) and <i>Mycosphaerella</i> blight may be achieved

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DISEASES CONTROLLED *continued*

Field Beans, Broad Beans	Rust (<i>Uromyces spp.</i>)
Bulb Onions, Shallots and Garlic	Downy mildew (<i>Peronospora destructor</i>) - moderate control
Leeks	Leaf rust (<i>Puccinia porri</i>) Purple blotch (<i>Alternaria porri</i>) - moderate control White tip (<i>Phytophthora porri</i>) – moderate control
Carrots	Alternaria leaf blight (<i>Alternaria dauci</i>) Powdery mildew (<i>Erysiphe polygoni</i>)
Asparagus	Stemphylium (<i>Stemphylium botryosum</i>) moderate control Rust (<i>Puccinia asparagi</i>) moderate control
Brussels Sprouts, Cabbage, Cauliflower, Kale (Winter reens), Collards (Spring Greens), Broccoli and Calabrese	Moderate control of: White blister (<i>Albugo candida</i>), Ring spot (<i>Mycosphaerella brassicicola</i>) and Alternaria (<i>Alternaria brassicae</i> and <i>Alternaria brassicicola</i>)
Strawberry	Powdery mildew (<i>Podosphaera macularis</i>) - moderate control
Lettuce, Endive (Field & protected)	Downy mildew (<i>Bremia spp.</i>)
Potatoes	Reduction of Stem canker and Black scurf (<i>Rhizoctonia solani</i>) - in furrow only Reduction of Black dot (<i>Colletotrichum coccodes</i>) - in furrow only Moderate control of Early blight (<i>Alternaria solani</i>) - foliar application only
Oilseed rape	Moderate control of Dark Leaf and Pod Spot (<i>Alternaria spp.</i>), Sclerotinia stem rot (<i>S. sclerotiorum</i>).

WINTER & SPRING WHEAT, WINTER & SPRING BARLEY, WINTER & SPRING OATS, RYE & TRITICAL

Timing: Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stages of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Winter and spring wheat, rye and triticale can be treated from BBCH 30-69.

Winter and spring barley and winter and spring oats can be treated from BBCH 30-59.

For protection against ear disease (*Cladosporium* and *Alternaria*) apply **CLAYTON AUGUSTA** at ear emergence.

CLAYTON AUGUSTA applied at the first or second node stage of the crop can reduce the severity of Take-all infection.

Rate of Use: 1.0 L/ha. The maximum number of applications to any cereal crop is two per crop

Tank Mixing: On cereal crops, **CLAYTON AUGUSTA** must always be used in mixture with another product recommended for control of the same target disease that contains a fungicide from a different cross resistance group and is applied at a dose that will give robust control.

Resistance Management: Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action. Do not apply more than two foliar applications of QoI-containing products to any cereal crop. Disease control may be reduced if strains of other pathogens less sensitive to azoxystrobin develop.

On cereal crops, **CLAYTON AUGUSTA** must always be used in mixture with another product, recommended for control of the same target disease that contains a fungicide from a different cross resistance group and is applied at a dose that will give robust control. Users should refer to current FRAG-UK guidelines for QoI compounds.

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COMBINING & FRESH PEAS, GREEN BEANS, BROAD BEAN.

Timing: **CLAYTON AUGUSTA** should always be used at the first sign of disease infection or when a predictive assessment shows conditions favourable for disease development from BBCH 17-72. For optimum disease control apply **CLAYTON AUGUSTA** before infection or as soon as disease is first seen in the crop.

Always inspect crops to assess disease development immediately before spraying.

Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Rate of Use: 1.0 L/ha. A second treatment may be required if disease pressure remains high - especially in combining peas. A minimum interval of 14 days must be observed between applications.

Peas for Processing: Where a crop of peas is destined for processing, consult your processor before treating with **CLAYTON AUGUSTA**.

Crop Safety: **CLAYTON AUGUSTA** shows good crop safety on combining peas and fresh peas. Before applying ensure the crop is free from any stress caused by environment or agronomic effects. Check wax level if necessary using the Crystal Violet test.

Resistance Management: To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not make more than two applications of **CLAYTON AUGUSTA**.

FIELD BEANS

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects.

Always inspect crops to assess disease development immediately before spraying.

Best results will be achieved from applications made in the earliest stage of disease development from BBCH 60-69 or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

A second treatment may be required if disease pressure remains high.

A minimum interval of 14 days must be observed between applications.

Rate of Use: 1.0 L/ha.

Resistance Management: To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not make more than two applications of **CLAYTON AUGUSTA** to crops of field beans. Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

BULB ONIONS, LEEKS & CARROTS

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects. For optimum disease control **CLAYTON AUGUSTA** should be used at the first sign of disease infection or preferably preventatively when a predictive assessment shows conditions favourable for disease development. Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems. Bulb onions, garlic and shallots can be treated from BBCH 14-48. Leeks can be treated from BBCH 16-48. Carrots can be treated from BBCH 16-49.

Rate of Use: 1.0 L/ha.

Bulb Onion • For optimum downy mildew control in bulb onions, garlic and shallot a 7 to 10 day spray interval should be maintained

• Applications to established downy mildew infection are unlikely to give reliable control.

Processing: Where a crop is destined for processing, consult your processor before treating with **CLAYTON AUGUSTA**.

Resistance Management: Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

To avoid the likelihood of resistance developing, applications of **CLAYTON AUGUSTA** should be made with due regard to current FRAC guidelines for QoI compounds as illustrated below in the following table:

Total number of fungicide spray applications per crop	1	2	3	4	5	6	7	8	9	10	11	=>12
Maximum recommended solo QoI fungicide sprays	1	1	2	2	2	2	3	3	3	3	4	
Maximum recommended QoI fungicide sprays in mixture	1	2	2	2	2	3	3	4	4	4	4	

No more than 3 applications of **CLAYTON AUGUSTA** are permitted per crop. Refer to the FRAC website for updates on recommendations for resistance management.

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ASPARAGUS (OUTDOOR)

Timing: Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stages of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems. Asparagus can be treated from BBCH 41-89.

Earliest time of application: After commercial cutting **CLAYTON AUGUSTA** may only be applied after the harvest season (i.e. after commercial cutting). Where a new 'bed' is established, do not treat within three weeks of transplanting out the crowns. A minimum interval of 10 days must be observed between applications.

Latest time of application: Until the end of September or before the crop senescence, whichever is sooner.

CLAYTON AUGUSTA shows good crop safety on asparagus. Before applying ensure the crop is free from any stress caused by environmental or agronomic effects.

Rate of Use: 1.0 L/ha.

Resistance Management: **CLAYTON AUGUSTA** contains azoxystrobin a member of the QoI cross resistance group. **CLAYTON AUGUSTA** should be used preventatively and should not be relied on for its curative potential. Disease control may be reduced if strains of pathogens less sensitive to azoxystrobin develop.

To avoid the likelihood of resistance developing, applications of **CLAYTON AUGUSTA** should be made with due regard to current FRAC guidelines for QoI compounds as illustrated below in the following table:

Total number of fungicide spray applications per crop	1	2	3	4	5	6	7	=>8
Maximum recommended solo QoI fungicide sprays	1	1	2	2	2	2	2	3
Maximum recommended QoI fungicide sprays in mixture	1	2	2	2	2	3	3	3

No more than 2 applications of **CLAYTON AUGUSTA** are permitted per crop. Refer to the FRAC website for updates on recommendations for resistance management.

POTATOES

FOLIAR APPLICATION For the control of early blight (*Alternaria solani*).

Timing: Before applying **CLAYTON AUGUSTA**, ensure the crop is free from any stress caused by environmental or agronomic effects. Always inspect crops to assess disease development immediately before spraying.

Best results will be achieved from applications made in the earliest stage of disease development or as a protectant treatment following a disease risk assessment or the use of appropriate decision support systems.

Potatoes can be treated from BBCH 51-85.

A minimum interval of 7 days must be observed between applications.

Rate of Use: 0.5 L/ha. A total of 3 applications can be made per season if disease pressure remains high.

Potatoes for Processing: Where a crop of potatoes is destined for processing, consult processors before treating with **CLAYTON AUGUSTA**.

Resistance Management: The risk of resistance developing to **CLAYTON AUGUSTA** in *Alternaria solani* is considered to be moderate. To avoid the likelihood of resistance developing, application of **CLAYTON AUGUSTA** should be made with due regard to current FRAG-UK guidelines for QoI compounds. Use **CLAYTON AUGUSTA** as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

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