

# Weaver

syngenta®

**GROUP 11 FUNGICIDE**

**Product reg. no:** MAPP 19667 **UFI:** 8GH5-K002-K00M-2XT8

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

A broad spectrum fungicide for 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, lupins, 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), chicory (radicchio).

## SAFETY PRECAUTIONS

### (a) Operator protection

WASH SPLASHES from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

### (b) 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 500 g Azoxystrobin per hectare per year.

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 requirements.



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 waterbody, unless a



Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application.

DO NOT ALLOW DIRECT SPRAY from hand held sprayers to fall within 1 m of the top of the bank of a static or flowing waterbody. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental 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 published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

### (c) 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.

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

### In case of toxic or transport emergency ring

**+44 (0)1484 538444 any time**

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**SHAKE WELL BEFORE USE.**  
**PROTECT FROM FROST.**

This product label is compliant with the CPA Voluntary Initiative (VI) guidance.



Product names marked ® or ™, the ALLIANCE FRAME ™, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

**5 litres**

L112908 GBRI/12B PPE 4197529

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

### Warning

**Harmful if inhaled.**

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

Avoid breathing mist or vapours.

Use only outdoors or in a well-ventilated area.

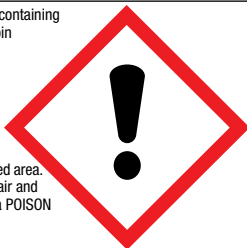
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Collect spillage.

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.

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

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. **MAPP:** 19667 **UFI:** 86H5-K002-K00M-2XT8



### IMPORTANT INFORMATION - FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres/ product /ha)	Maximum number of treatments (per crop)	Minimum spray interval (days)	Latest time of application
Wheat and triticale	1	2	14	Before watery ripe stage (GS 71)
Barley, oats	1	2	14	Before beginning of flowering (GS 61)
Peas – combining	1	2	14	35 days before harvest
Fresh Peas (vining, garden pea, sugar snap, mange tout)	1	2	14	14 days before harvest.
Broad beans	1	2	14	14 days before harvest
Fresh Beans (green bean)	1	2	14	7 days before harvest
Field Beans, lupins	1	2	21	35 days before harvest
Bulb onions, garlic, shallots	1	3	7	14 days before harvest.
Leeks	1	3	12	21 days before harvest.
Carrots	1	3	7	14 days before harvest.
Asparagus (outdoor)	1	2	10	Before senescence
**Brussels sprout, Cabbage, cauliflower, kale (winter greens), collards (spring greens), broccoli and calabrese – all outdoor	1	2	12	14 days before harvest
Strawberries (outdoor and protected)	1	3	7	3 days before harvest
**Lettuce, endive (including frisee, escarole), chicory (radicchio), (outdoor and protected)	1	2	7	14 days before harvest
Potato (in-furrow)	3	1	-	At planting, applied as an in-furrow treatment
Potato (foliar spray)	0.5	3	7	7 days before harvest
Winter and Spring Oilseed rape	1	2	21	21 days before harvest

#### Other Specific Restrictions:

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

\*\*A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

When used in a protected situation other than “permanent protection with full enclosure”, aquatic buffer zones in line with LERAP requirements must be observed.

**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.**

This leaflet is part of the approved Product Label.

### **DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

### **GENERAL INFORMATION**

WEAVER 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.

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

WEAVER 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.

WEAVER 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, lupins, 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), chicory (radicchio).

### **RESTRICTIONS**

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

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

### **DISEASES CONTROLLED**

#### **Wheat**

Glume Blotch (*Leptosphaeria (syn. Septoria) nodorum*)

Yellow Rust (*Puccinia striiformis*)

Brown Rust (*Puccinia recondita*)

Ear Diseases (*Cladosporium, Alternaria*)

Can reduce the severity of Take-all (*Gaeumannomyces graminis var. Tritici*)

#### **Barley**

Net Blotch (*Pyrenophora teres*)

Brown Rust (*Puccinia hordei*)

Leaf Blotch (*Rhynchosporium secalis*) – reduction

Can reduce the severity of Take-all (*Gaeumannomyces graminis var. Tritici*)

#### **Oats**

Crown Rust (*Puccinia coronata*)

#### **Rye and Triticale**

Brown Rust (*Puccinia recondita*)

Leaf Blotch (*Rhynchosporium secalis*) - reduction

Can reduce the severity of Take-all (*Gaeumannomyces graminis var. Tritici*)

#### **Combining Peas, Vining Peas, Garden Peas, Sugar Snap, Mange Tout, Green Beans**

Downy mildew (*Perenospora viciae*) - reduction

Leaf and Pod Spot (*Ascochyta pisi*) – useful

When WEAVER is used to control leaf and pod spot, some control of Grey Mould (*Botrytis cinerea*) and *Mycosphaerella* blight may be achieved.

## Field Beans and Broad Beans

Rust (*Uromyces fabae*)

## Lupins

Rust (*Uromyces spp.*) – Qualified Use Recommendation

## Bulb Onions, Shallots and Garlic

Downy mildew (*Peronospora destructor*) - moderate

## Leeks

Leaf rust (*Puccinia porri*)

Purple blotch (*Alternaria porri*) - moderate

White tip (*Phytophthora porri*) - moderate

## Carrots

Alternaria leaf blight (*Alternaria dauci*)

Powdery mildew (*Erysiphe polygoni*)

## Asparagus

Stemphylium (*Stemphylium botryosum*) - moderate

Rust (*Puccinia asparagi*) - moderate

## Brussels Sprouts, Cabbage, Cauliflower, Kale (Winter Greens), Collards (Spring Greens), Broccoli and Calabrese

For moderate control of:

White blister (*Albugo candida*)

Ring spot (*Mycosphaerella brassicicola*)

Alternaria (*Alternaria brassicae* and *Alternaria brassicicola*)

## Strawberry

Powdery mildew (*Podosphaera macularis*) - moderate

Anthraxnose (*Colletotrichum acutatum*) – Qualified Use recommendation

## Lettuce, Endive (Frisse and Escarole), Chicory (Raddichio)

Downy mildew (*Bremia spp.*)

## Potatoes

Stem canker and Black scurf (*Rhizoctonia solani*) – reduction in furrow only

Black dot (*Colletotrichum coccodes*) – reduction in furrow only

Early blight (*Alternaria solani*) - moderate control foliar use only

## Oilseed Rape

Dark Leaf and Pod Spot (*Alternaria spp.*)

Sclerotinia stem rot (*S. sclerotiorum*) – moderate control

## CROP SPECIFIC INFORMATION

### CROPS

WEAVER 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), chicory (radicchio).

## WINTER & SPRING WHEAT, WINTER AND SPRING BARLEY, WINTER AND SPRING OATS, RYE & TRITICALE

### 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 WEAVER at ear emergence.

When used to control the listed foliar diseases, WEAVER applied at the first or second node stage of the crop can reduce the severity of Take-all infection.

#### **Rate Of Use**

1.0 litre per hectare.

The maximum number of applications to any cereal crop is two per crop

#### **Tank Mixing**

On cereal crops, WEAVER 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 WEAVER 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. You must 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, WEAVER 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.

#### **PEAS (COMBINING AND FRESH), GREEN BEANS, BROAD BEAN, LUPIN**

##### **Timing**

WEAVER 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 WEAVER 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 litre per hectare.

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 WEAVER . (One year's results indicate that no taints were detected on quick frozen, canned, vining or canned combining peas)

##### **Crop Safety**

WEAVER 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 WEAVER should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not make more than two applications of WEAVER.

#### **FIELD BEAN**

##### **Timing**

Before applying WEAVER, 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 21 days must be observed between applications.

##### **Rate Of Use**

1 litre per hectare

## Resistance Management

To avoid the likelihood of resistance developing, application of WEAVER should be made with due regard to current FRAG-UK guidelines for Qol compounds. Do not make more than two applications of WEAVER to crops of field beans. Use WEAVER 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 ONION, GARLIC, SHALLOT, LEEK AND CARROT

### Timing

Before applying WEAVER, ensure the crop is free from any stress caused by environmental or agronomic effects. For optimum disease control WEAVER 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 litre per hectare.

### 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 WEAVER

## Resistance Management

Use WEAVER 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 WEAVER should be made with due regard to current FRAC guidelines for Qol 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 Qol fungicide sprays	1	1	2	2	2	2	2	3	3	3	3	4
Maximum recommended Qol fungicide sprays in mixture	1	2	2	2	2	3	3	4	4	4	4	4

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

## 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

WEAVER 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.

WEAVER 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 litre per hectare.

## Resistance Management

WEAVER contains azoxystrobin a member of the QoI cross resistance group. WEAVER 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 WEAVER 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 WEAVER 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 WEAVER, 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 litre per hectare

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 WEAVER.

### Resistance Management

The risk of resistance developing to WEAVER in *Alternaria solani* is considered to be moderate. To avoid the likelihood of resistance developing, application of WEAVER should be made with due regard to current FRAG-UK guidelines for QoI compounds. Use WEAVER 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.

### IN-FURROW APPLICATION

#### Timing

WEAVER 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 WEAVER 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 WEAVER is applied to soil around the tuber.

#### Rate Of Use

For in-furrow application made at planting : 3 litre per hectare

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 WEAVER 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 WEAVER 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 WEAVER.

#### **Resistance Management**

The risk of resistance developing to WEAVER in *Rhizoctonia solani* (Black scurf and Stem canker) and *Colletotrichum coccodes* (Black dot) is considered to be very low. WEAVER 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 WEAVER should be made with due regard to current FRAG-UK guidelines for QoI compounds. If an application of WEAVER 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 AND SPRING OILSEED RAPE**

##### **Timing**

Before applying WEAVER, 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* – WEAVER should be applied as a protectant spray during flowering. The optimum timing is early flowering to mid flowering (GS60 – GS65)

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

Note : an application of WEAVER against *Sclerotinia* will significantly limit the development of *alternaria*

##### **Rate Of Use**

1 litre per hectare

#### **Resistance Management**

To avoid the likelihood of resistance developing, application of WEAVER should be made with due regard to current FRAG-UK guidelines for QoI compounds. Do not make more than two applications of WEAVER to crops of oilseed rape. Use WEAVER 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 AND CALABRESE**

##### **Timing**

Before applying WEAVER, 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.

Brassicas 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 brassicae.

##### **Rate Of Use**

1 litre per hectare

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 WEAVER should be made with due regard to current FRAG-UK guidelines for Qol compound. Do not apply more than a total of two applications of WEAVER to any brassica crop.

## OUTDOOR AND PROTECTED LETTUCE, ENDIVE (INCLUDING FRISEE AND ESCAROLE), CHICORY (RADICCHIO)

### Timing

Before applying WEAVER, 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 litre per hectare.

A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

## Resistance Management

Use WEAVER 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 WEAVER should be made with due regard to current FRAG-UK guidelines for Qol compounds. Do not apply more than a total of two applications, when used as part of a programme.

## OUTDOOR AND PROTECTED STRAWBERRY

### Timing

For optimum results apply WEAVER 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 litre per hectare.

### Processing

Where a crop is destined for processing, consult your processor before treating with WEAVER.

## Resistance Management

Use WEAVER 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 WEAVER should be made with due regard to current FRAC guidelines for Qol 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 Qol fungicide sprays	1	1	2	2	2	2	2
Maximum recommended Qol fungicide sprays in mixture	1	2	2	2	2	3	3

No more than 3 applications of WEAVER are permitted per crop.

## QUALIFIED USE RECOMMENDATION

### Strawberries and Lupins

The following uses are supported by a limited amount of effectiveness data which indicate that the use of WEAVER at 1.0 l/ha may provide some useful activity against Rust (*Uromyces spp.*) on Lupins and Anthracnose (*Collectotrichum acutatum*) on strawberries

## 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 WEAVER 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, fresh peas, field beans, lupins, 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 Syngenta UK Ltd for further details on suitable manufacturers of these sprayers.

**Foliar application**: Apply in at least 200 litres of water per hectare.

## INDOOR 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.

## COMPANY ADVISORY INFORMATION

This information is not part of the approved label under the Plant Protection Product Regulations (2003) but provides additional Company advice on the product use.

### Good Field Practice

As part of our Product Stewardship policy, Syngenta UK Ltd recommend the following precautions should also be observed :

- Wear appropriate clothing - coveralls and protective gloves, when handling the concentrate.

### Agricultural Practice

#### Integrated Crop Management

Laboratory data indicate that when used as directed WEAVER has no adverse effects on the following beneficial species.

Earthworm (*Eisenia fetida*); Bees (*Apis* and *Bombus spp.*); Parasitic Wasps (*Trichogramma cacoeciae*, *Aphidius spp.* and

*Encarsia formosa*); Aphid Predators (*Coccinella septempunctata*, *Chrysoperia carnea*, *Episyrphus balteatus*); Predatory mites (*Phytoseiulus persimilis*, *Amblyseius degenerans*); Spider (*Pardosa spp.*); Predatory bugs (*Macrolophus caliginosus*, *Orius laevigatus*); Carabid Beetle (*Poecilus cupreus*).

### **Resistance Management**

WEAVER contains azoxystrobin a member of the QoI cross resistance group. WEAVER 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 WEAVER 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 WEAVER 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 labels provided with this pack.**

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

(This section does not form part of the product label under the Plant Protection Products Regulations 1995.)

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 Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

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## **SAFETY DATA SHEET v4.0**

### **1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING**

#### **1.1 Product Identifier**

Trade name : WEAVER

Design code : A12705B

Product Registration Number : MAPP 19667

Unique Formula Identifier (UFI): 86H5-K002-K00M-2XT8

#### **1.2 Relevant Identified Uses of the substance or mixture and uses advised against**

Use of the Substance/Mixture: Fungicide

Recommended restrictions on use: professional use

#### **1.3 Details of the supplier of the safety data sheet**

Company: Syngenta UK Ltd

CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE

Telephone : +44 (0) 1223 883400

Telefax : +44 (0) 1223 882195

E-mail address of person responsible for the SDS: product.technical\_enquiries@syngenta.com

#### **1.4 Emergency telephone number**

Emergency phone No. +44 (0) 1484 538444

## **2. HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**



Acute toxicity, Category 4 - H332: Harmful if inhaled.

Short-term (acute) aquatic hazard, Category 1 - H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 1 - H410: Very toxic to aquatic life with long lasting effects.

## 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms	
	 
Signal Word	Warning
Hazard Statements	H332 Harmful if inhaled. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statements	P261 Avoid breathing mist or vapours. P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. +P312 Call a POISON CENTER/doctor if you feel unwell. P391 Collect spillage. P501 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.

Hazardous components which must be listed on the label:

- azoxystrobin (ISO)
- methanol

**Additional Labelling:** EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH401: To avoid risks to human health and the environment comply with the instructions for use.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Components

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
azoxystrobin (ISO)	131860-33-8 607-256-00-8	Acute Tox.3; H331 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	$\geq 20$ - < 25
C16-18 alcohols, ethoxylated	68439-49-6 500-212-8	Acute Tox. 4; H302 Eye Dam. 1; H318	$\geq 10$ - < 30
Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts	68425-94-5	Skin Irrit. 2; H315 Eye Dam. 1; H318	$\geq 1$ - < 3

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
methanol	67-56-1 200-659-6 603-001-00-X	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370 (Eyes, Central nervous system) specific concentration limit STOT SE 1; H370 >= 10 % STOT SE 2; H371 >= 3 - < 10 %	>= 0.1 - < 1
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1 specific concentration limit Skin Sens. 1; H317 >= 0.05 %	>= 0.025 - < 0.05

For explanation of abbreviations see section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.

If inhaled : Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

In case of skin contact : Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

If swallowed : If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

### 4.2 Most Important symptoms and effects, both acute and delayed

Symptoms: Nonspecific. No symptoms known or expected.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : There is no specific antidote available. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing media - small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires: Alcohol-resistant foam or Water spray

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

## 5.3 Advice for fire-fighters

Special protective equipment for firefighters: Wear full protective clothing and self-contained breathing apparatus. Further information : Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

### 6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling : No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

### 7.3 Specific end uses

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
azoxystrobin (ISO)	131860-33-8	TWA	4 mg/m <sup>3</sup>	Syngenta
methanol	67-56-1	TWA	200 ppm 266 mg/m <sup>3</sup>	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
		STEL	250 ppm 333 mg/m <sup>3</sup>	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
		TWA	200 ppm 260 mg/m <sup>3</sup>	2006/15/ EC
Further information: Indicative, Identifies the possibility of significant uptake through the skin				

**Derived No Effect Level (DNEL):**

Substance name	End Use	Exposure routes	Potential health effects	Value
1,2-benzisothiazol-3(2H)-one	Workers	Inhalation	Long-term systemic effects	6.81 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	0.966 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1.2 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	0.345 mg/kg
methanol	Workers	Dermal	Short-term exposure, Systemic effects	40 mg/kg
	Workers	Inhalation	Short-term exposure, Systemic effects	260 mg/m <sup>3</sup>
	Workers	Inhalation	Short-term exposure, Local effects	260 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	40 mg/kg
	Workers	Inhalation	Long-term systemic effects	260 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	260 mg/m <sup>3</sup>
	Consumers	Dermal	Short-term exposure, Systemic effects	8 mg/kg
	Consumers	Inhalation	Short-term exposure, Systemic effects	50 mg/m <sup>3</sup>
	Consumers	Oral	Short-term exposure, Systemic effects	8 mg/kg
	Consumers	Inhalation	Long-term local effects	50 mg/m <sup>3</sup>
	Consumers	Oral	Long-term systemic effects	8 mg/kg
	Consumers	Inhalation	Long-term systemic effects	50 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	8 mg/kg
	Consumers	Inhalation	Short-term exposure, Local effects	50 mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC):**

Substance name	Environmental Compartment	Value
1,2-benzisothiazol-3(2H)-one	Fresh water	0.00403 mg/l
	Marine water	0.000403 mg/l
	Sewage treatment plant	1.03 mg/l
	Fresh water sediment	0.0499 mg/kg
	Marine sediment	0.00499 mg/kg
	Freshwater - intermittent	0.0011 mg/l
	Marine water - intermittent	0.000110 mg/l
	Soil	3 mg/kg
methanol	Fresh water	154 mg/l
	Marine water	15.4 mg/l
	Soil	22.5 mg/kg
	Sewage treatment plant	100 mg/l

**8.2 Exposure controls**

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

**Personal protective equipment**

Eye protection : No special protective equipment required.

Hand protection

Remarks : No special protective equipment required.

Skin and body protection : No special protective equipment required. Select skin and body protection based on the physical job requirements.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Suitable respiratory equipment: Respirator with a half face mask

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/ aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Appearance: liquid

Colour: off-white to yellow-orange

Odour: odourless

Odour Threshold: No data available

pH: 6 - 8, Concentration: 1 %w/v

Melting point/range: No data available

Boiling point/boiling range: No data available

Flash point: Method: Pensky-Martens closed cup, does not flash

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper explosion limit / Upper flammability limit: No data available

Lower explosion limit / Lower flammability limit: No data available

Vapour pressure: No data available

Relative vapour density: No data available

Density: 1.1 g/cm<sup>3</sup>

Solubility in other solvents: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: 475 °C

Decomposition temperature: No data available

Viscosity, dynamic: 76.0 - 427 mPa.s (40 °C), 117 - 541 mPa.s (20 °C)

Viscosity, kinematic: No data available

Explosive properties: Not explosive

Oxidizing properties: The substance or mixture is not classified as oxidizing.

### **9.2 Other Information**

Surface Tension: 32.0 mN/m, 6.000 %, 20 °C

Particle size : No data available

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity:**

None reasonably foreseeable.

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### **10.4 Conditions to avoid**

Conditions to avoid : No decomposition if used as directed.

### **10.5 Incompatible materials**

Materials to avoid : None known.

### **10.6 Hazardous decomposition products**

Hazardous decomposition products: No hazardous decomposition products are known.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

Information on likely routes of exposure: Ingestion, Inhalation, Skin contact, Eye contact

#### **Acute toxicity**

##### **Product:**

Acute oral toxicity :

LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute oral toxicity



Remarks: Based on data from similar materials

Acute inhalation toxicity :

Acute toxicity estimate: 3.06 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Calculation method

Acute dermal toxicity :

LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

Remarks: Based on data from similar materials

**Components:**

**azoxystrobin (ISO):**

Acute oral toxicity :

LD50 (Rat, male and female): > 5,000 mg/kg

Acute inhalation toxicity :

LC50 (Rat, female): 0.7 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute toxicity estimate: 0.7 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity :

LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

**C16-18 alcohols, ethoxylated:**

Acute oral toxicity :

Assessment: The component/mixture is moderately toxic after single ingestion.

**methanol:**

Acute oral toxicity :

Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity :

Assessment: The component/mixture is toxic after short term inhalation.

Acute dermal toxicity :

Assessment: The component/mixture is toxic after single contact with skin.

**1,2-benzisothiazol-3(2H)-one:**

Acute oral toxicity :

LD50 (Rat, male): 670 mg/kg

Acute dermal toxicity :

LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

**Product:**

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

**Components:**

**azoxystrobin (ISO):**

Species: Rabbit

Result: No skin irritation

**Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:**

Method : in vitro skin corrosion test

Result : Irritating to skin.

**1,2-benzisothiazol-3(2H)-one:**

Species : Rabbit

Result : Mild skin irritation

**Serious eye damage/eye irritation**

**Product:**

Species: Rabbit

Result: No eye irritation

Remarks: Based on data from similar materials

**Components:**

**azoxystrobin (ISO):**

Species: Rabbit

Result: No eye irritation

**C16-18 alcohols, ethoxylated:**

Result: Irreversible effects on the eye

**Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:**

Method : in vitro eye irritation test

Result : Risk of serious damage to eyes.

**1,2-benzisothiazol-3(2H)-one:**

Species : Rabbit

Result : Risk of serious damage to eyes.

**Respiratory or skin sensitisation****Product:**

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Remarks: Based on data from similar materials

**Components:****azoxystrobin (ISO):**

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

**1,2-benzisothiazol-3(2H)-one:**

Result: Probability or evidence of skin sensitisation in humans

**Germ cell mutagenicity****Components:****azoxystrobin (ISO):**

Germ cell mutagenicity- Assessment: Animal testing did not show any mutagenic effects.

**methanol:**

Germ cell mutagenicity- Assessment: Animal testing did not show any mutagenic effects

**1,2-benzisothiazol-3(2H)-one:**

Germ cell mutagenicity-Assessment: Weight of evidence does not support classification as a germ cell mutagen.

**Carcinogenicity****Components:****azoxystrobin (ISO):**

Carcinogenicity - Assessment: No evidence of carcinogenicity in animal studies.

**methanol:**

Carcinogenicity - Assessment: No evidence of carcinogenicity in animal studies.

**Reproductive toxicity****Components:****azoxystrobin (ISO):**

Reproductive toxicity - Assessment: No toxicity to reproduction

**methanol:**

Reproductive toxicity - Assessment: No toxicity to reproduction

**STOT - single exposure****Components:****methanol:**

Target Organs : Eyes, Central nervous system

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

**STOT - repeated exposure****Components:****azoxystrobin (ISO):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**12. ECOLOGICAL INFORMATION****12.1 Toxicity****Product:**

Toxicity to fish :

LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1.3 mg/l

Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates:	EC50 ( <i>Daphnia magna</i> (Water flea)): 0.83 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants:	ErC50 ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 2.2 mg/l Exposure time: 72 h Remarks: Based on data from similar materials NOEC ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 0.13 mg/l End point: Growth rate Exposure time: 72 h Remarks: Based on data from similar materials
<b>Components:</b>	
<b>azoxystrobin (ISO):</b>	
Toxicity to fish :	LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 0.47 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	EC50 ( <i>Daphnia magna</i> (Water flea)): 0.28 mg/l Exposure time: 48 h EC50 ( <i>Americamysis</i> ): 0.055 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants:	ErC50 ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 2 mg/l Exposure time: 96 h NOEC ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 0.038 mg/l End point: Growth rate Exposure time: 96 h ErC50 ( <i>Navicula pelliculosa</i> (Freshwater diatom)): 0.301 mg/l Exposure time: 96 h NOEC ( <i>Navicula pelliculosa</i> (Freshwater diatom)): 0.02 mg/l End point: Growth rate Exposure time: 96 h
M-Factor (Acute aquatic toxicity):	10
Toxicity to microorganisms :	IC50 ( <i>Pseudomonas putida</i> ): > 3.2 mg/l Exposure time: 6 h
Toxicity to fish (Chronic toxicity):	NOEC: 0.16 mg/l Exposure time: 28 d Species: <i>Oncorhynchus mykiss</i> (rainbow trout) NOEC: 0.147 mg/l Exposure time: 33 d Species: <i>Pimephales promelas</i> (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC: 0.044 mg/l Exposure time: 21 d Species: <i>Daphnia magna</i> (Water flea) NOEC: 0.0095 mg/l Exposure time: 28 d Species: <i>Americamysis</i>
M-Factor	10
(Chronic aquatic toxicity):	
<b>1,2-benzisothiazol-3(2H)-one:</b>	
Toxicity to fish :	LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 2.18 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	EC50 ( <i>Daphnia magna</i> (Water flea)): 2.94 mg/l Exposure time: 48 h

Toxicity to algae/aquatic plants:	ErC50 ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 0.15 mg/l Exposure time: 72 h EC10 ( <i>Raphidocelis subcapitata</i> (freshwater green alga)): 0.04 mg/l End point: Growth rate Exposure time: 72 h
M-Factor (Acute aquatic toxicity):	1
Toxicity to fish (Chronic toxicity):	NOEC: 0.3 mg/l Exposure time: 28 d Species: <i>Oncorhynchus mykiss</i> (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC: 1.7 mg/l Exposure time: 21 d Species: <i>Daphnia</i> (water flea)

## 12.2 Persistence and degradability

### Components:

#### **azoxystrobin (ISO):**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 214 d

Remarks: The substance is stable in water.

#### **Residues (petroleum), catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts:**

Biodegradability : Result: Not readily biodegradable.

#### **1,2-benzisothiazol-3(2H)-one:**

Biodegradability : Result: rapidly degradable

## 12.3 Bioaccumulative potential

### Components:

#### **azoxystrobin (ISO):**

Bioaccumulation : Remarks: Does not bioaccumulate.

#### **1,2-benzisothiazol-3(2H)-one:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely

## 12.4 Mobility in soil

### Components:

#### **azoxystrobin (ISO):**

Distribution among environmental compartments: Remarks: Azoxystrobin has low to very high mobility in soil.

Stability in soil : Percentage dissipation: 50 % (DT50: 80 d)

Remarks: Product is not persistent.

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Components:

#### **azoxystrobin (ISO):**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### **methanol:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### **1,2-benzisothiazol-3(2H)-one:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## 12.6 Other adverse effects

### Product:

Endocrine disrupting potential: The substance/mixture does not contain components considered to have endocrine

disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Product:** Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging:** Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

ADR	RID	IMDG	IATA
UN 3082	UN 3082	UN 3082	UN 3082

#### 14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)

IATA : Environmentally hazardous substance, liquid, n.o.s. (AZOXYSTROBIN)

#### 14.3 Transport hazard class(es)

ADR	RID	IMDG	IATA
9	9	9	9

#### 14.4 Packing group

ADR	RID	IMDG	IATA (Cargo)	IATA (Passenger)
Packing group: III Classification Code: M6 Hazard Identification Number: 90 Labels: 9 Tunnel restriction code: (E)	Packing group: III Classification Code: M6 Hazard Identification Number: 90 Labels: 9	Packing group: III Labels: 9 EmS Code: F-A, S-F	Packing instruction (cargo aircraft): 964 Packing instruction (LQ): Y964 Packing group: III Labels: Miscellaneous	Packing instruction (passenger aircraft): 964 Packing instruction (LQ): Y964 Packing group: III Labels: Miscellaneous
Remarks: This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.				

#### 14.5 Environmental hazards

ADR: Environmentally hazardous : yes

RID: Environmentally hazardous : yes

IMDG: Marine pollutant : yes

IATA (Passenger): Environmentally hazardous : yes

IATA (Cargo): Environmentally hazardous : yes

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17): Conditions of restriction for the following entries should be considered: Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation: Not applicable  
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain): Not applicable  
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable  
UK REACH List of substances subject to authorisation (Annex XIV): Not applicable  
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation: Not applicable  
Control of Major Accident Hazards Regulations 2015 (COMAH) E1 ENVIRONMENTAL HAZARDS

## 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

## 16. OTHER INFORMATION

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H301 : Toxic if swallowed.  
H302 : Harmful if swallowed.  
H311 : Toxic in contact with skin.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H331 : Toxic if inhaled.  
H370 : Causes damage to organs.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation  
STOT SE : Specific target organ toxicity - single exposure  
2006/15/EC: Europe. Indicative occupational exposure limit values  
GB EH40: UK. EH40 WEL - Workplace Exposure Limits  
Syngenta: Syngenta Occupational Exposure Limit  
2006/15/EC / TWA: Limit Value - eight hours  
GB EH40 / TWA: Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL: Short-term exposure limit (15-minute reference period)  
Syngenta / TWA: Time weighted average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AII - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety

and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TEI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

##### **Classification of the mixture:**

Acute Tox. 4 H332  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

##### **Classification procedure:**

Calculation method  
Based on product data or assessment  
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

### Warning

**Harmful if inhaled.**

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

Avoid breathing mist or vapours.

Use only outdoors or in a well-ventilated area.

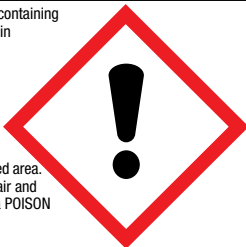
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Collect spillage.

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.

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

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. **MAPP:** 19667 **UFI:** 86H5-K002-K00M-2XT8



### IMPORTANT INFORMATION - FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres/product /ha)	Maximum number of treatments (per crop)	Minimum spray interval (days)	Latest time of application
Wheat and triticale	1	2	14	Before watery ripe stage (GS 71)
Barley, oats	1	2	14	Before beginning of flowering (GS 61)
Peas – combining	1	2	14	35 days before harvest
Fresh Peas (vining, garden pea, sugar snap, mange tout)	1	2	14	14 days before harvest.
Broad beans	1	2	14	14 days before harvest
Fresh Beans (green bean)	1	2	14	7 days before harvest
Field Beans, lupins	1	2	21	35 days before harvest
Bulb onions, garlic, shallots	1	3	7	14 days before harvest.
Leeks	1	3	12	21 days before harvest.
Carrots	1	3	7	14 days before harvest.
Asparagus (outdoor)	1	2	10	Before senescence
**Brussels sprout, Cabbage, cauliflower, kale (winter greens), collards (spring greens), broccoli and calabrese – all outdoor	1	2	12	14 days before harvest
Strawberries (outdoor and protected)	1	3	7	3 days before harvest
**Lettuce, endive (including frisee, escarole), chicory (radicchio), (outdoor and protected)	1	2	7	14 days before harvest
Potato (in-furrow)	3	1	-	At planting, applied as an in-furrow treatment
Potato (foliar spray)	0.5	3	7	7 days before harvest
Winter and Spring Oilseed rape	1	2	21	21 days before harvest

#### Other Specific Restrictions:

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

\*\*A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

When used in a protected situation other than “permanent protection with full enclosure”, aquatic buffer zones in line with LERAP requirements must be observed.

**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.**



