


GROUP 7 12 FUNGICIDES

 Product registration number: MAPP 17838
 UFI: G9Q2-COGA-M00T-NG2Y

A suspension concentrate for seed treatment containing 25 g/litre sedaxane and 25 g/litre fludioxonil.

For the control of seed borne diseases for wheat (winter), wheat (spring), triticale (winter), rye (winter), oats (spring), barley (winter) and barley (spring).

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

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 PROTECT FROM FROST.
 MIX THOROUGHLY BEFORE USE

Containers should be handled only by mechanical means (20 litres and over)

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

1000 litres

VIBRANCE® Duo - A suspension concentrate for seed treatment containing 25 g/litre sedaxane and 25 g/l fludioxonil.

Warning
May cause an allergic skin reaction.
Harmful if inhaled.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Obtain special instructions before use.

Avoid breathing mist or vapours.

Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

IF INHALED: Remove person to fresh air

and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

IF exposed or concerned:

Get medical advice/attention.

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.

 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
To avoid risks to human health and the environment comply with the instructions for use.

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IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL SEED TREATMENT

Crops	Maximum individual dose (litres product/tonne)	Maximum Number of Treatments	Latest time of application
Wheat (winter, seed), wheat (spring, seed), triticale (winter, seed), rye (winter, seed), barley (winter, seed), barley (spring, seed)	2	One per batch	Before drilling
Oats (spring, seed)	1.0	One per batch	Before drilling

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.
SAFETY PRECAUTIONS
(a) Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate, contaminated surfaces or treated seed.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when bagging treated seed.

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

KEEP OUT OF REACH OF CHILDREN.

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

(b) Environmental protection

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.

(c) Storage and disposal

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

EMPTY CONTAINER COMPLETELY and dispose of safely.

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.

DO NOT RE-USE CONTAINER for any purpose.

ADDITIONAL PRECAUTIONS SPECIFIC TO 1000 LITRE INTERMEDIATE BULK CONTAINERS (IBC).
FOLLOW THE OPERATING INSTRUCTIONS SUPPLIED WITH EACH IBC AT ALL TIMES.
(REF. "SAFE OPERATION OF VIBRANCE Duo DISPENSING SYSTEM USING IBC")
OPEN THE CONTAINER ONLY AS DIRECTED.
EMPTY IBC'S SHOULD BE TREATED AS FULL CONTAINERS WITH RESPECT TO STORAGE, TRANSPORT AND HANDLING AS THEY WILL STILL BE CONTAMINATED INTERNALLY.
DO NOT RINSE OUT THE CONTAINER. DO NOT RE-USE THE CONTAINER FOR ANY OTHER PURPOSE.
ENSURE THAT VALVES ARE CLOSED, ALL CAPS ARE SECURED AND THAT THE PRODUCT LABEL IS LEGIBLE.

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.

Resistance Management

VIBRANCE® Duo contains sedaxane, a SDHI fungicide.

For advice on resistance management of Succinate dehydrogenase inhibitor (SDHI) fungicides refer to the latest Fungicide Resistance Action Group (FRAG) guidelines.

DISEASES CONTROLLED
Wheat (winter and spring)

 VIBRANCE Duo is a fungicidal seed treatment for the control of seed borne snow mould (*Monographella nivalis*), *Septoria nodorum*, seed borne *Fusarium culmorum*, Common bunt (*Tilletia caries*), loose smut (*Ustilago tritici*) and moderate control of seed borne ear blight (*Fusarium graminearum*) in wheat.

Barley (winter and spring)

 VIBRANCE Duo is a fungicidal seed treatment for the control of seed borne snow mould (*Monographella nivalis*), covered smut (*Ustilago hordei*) and moderate control of leaf stripe (*Pyrenophora graminea*) and loose smut (*Ustilago nuda*) in barley. Barley seed treated with Vibrance Duo must not be used for seed multiplication (certified seed) unless co-applied with another product which controls leaf stripe (*Pyrenophora graminea*) and loose smut (*Ustilago nuda*). Covered smut of barley is rare in the UK.

Triticale (winter)

 VIBRANCE Duo will control seed borne snow mould (*Monographella nivalis*) in winter triticale.

Oats (spring)

 VIBRANCE Duo will control loose smut (*Ustilago avenae*) in spring oats.

Rye (winter)

 VIBRANCE Duo will control seed borne snow mould (*Monographella nivalis*) and strip smut (*Urocystis occulta*) in winter rye.

CROP SPECIFIC INFORMATION

For use on all varieties of winter and spring wheat, winter and spring barley, winter triticale, spring oats and winter rye.

Timing

Before drilling.

Rates of Use

Wheat (winter), wheat (spring), barley (winter), barley (spring), triticale (winter) and rye (winter): Apply 2 litres product per tonne of seed.

Oat (spring): Apply 1.0 litres of product per tonne of seed.

APPLICATION

For all bulk containers: Prior to use the drum should be agitated by rolling the drum on its base to ensure uniform distribution of the product in the tank prior to application. This should be done using suitable mechanical means.

VIBRANCE Duo should be applied directly to the seed using conventional seed treatment equipment. Do not apply VIBRANCE Duo to cracked, split or sprouted seed.

Calibrate the application equipment before use. For further advice please contact Syngenta UK Ltd.

DRILLING

Seed treated with VIBRANCE Duo may affect the flow of the seed through drills. It is therefore important to check the calibration of the drill with VIBRANCE Duo treated seed before drilling commences.

STORAGE AFTER TREATMENT

Sowing treated seed that has been stored for prolonged periods (beyond the season of treatment) may adversely affect effectiveness and/or crop safety.

COMPANY ADVISORY INFORMATION

As the occurrence of resistance cannot be forecast, neither Syngenta UK Limited nor its distributors can accept responsibility for any loss or damage to crops caused by the failure of VIBRANCE Duo to control resistant strains.

This product must only be removed from the container via the closed transfer system valve on the top of this container. The bottom tap opening has been sealed to prevent use.
SEED BAG LABEL TEXT

This seed has been treated with VIBRANCE Duo (contains fludioxonil and sedaxane).

VIBRANCE Duo is a seed treatment for the control of a wide range of diseases in winter wheat, spring wheat, winter barley, spring barley, winter triticale, spring oats and winter rye.

MAPP 17838

SAFETY PRECAUTIONS

WEAR SUITABLE PROTECTIVE CLOTHING AND SUITABLE PROTECTIVE GLOVES when handling treated seed.

TO PROTECT BIRDS/ WILD MAMMALS, treated seed should not be left on the soil surface. Bury or remove spillages.

DO NOT HANDLE seed unnecessarily.

DO NOT USE TREATED SEED as food or feed.

KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.

DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

WASH HANDS AND EXPOSED SKIN before meals and after work.

DO NOT APPLY TREATED SEED FROM THE AIR.

NOTES
1. Safe Handling of treated Seed

Avoid skin contact with treated seed and dust during all drilling operations.

Launder coveralls daily.

2. Drilling

Check drill calibration before drilling for each batch of seed to ensure an accurate drilling rate. Avoid adverse seedbed conditions and deep or shallow drilling which may adversely affect crop establishment and reduce the level of pest control.

3. Storage

Seed should be stored in a cool, dry, well ventilated building and be drilled as soon as possible after treatment. Drill within the season of treatment.

4. Seed Spillages

In case of seed spillage, clean up as much as possible into the related seed sack and re-use the clean seed. Bury the remainder completely.

 To access the Safety Data Sheet for this product, scan QR code:
 Alternatively, contact your supplier
