

“THE VIBRANCE EFFECT” IS AVAILABLE IN WINTER & SPRING BARLEY

VIBRANCE® Duo gives good control of key seed and soil-borne diseases and brings excellent establishment and rooting benefits to ensure your barley crop gets the best start. This season has been extremely challenging for crop establishment. At the time you buy your seed you don't know what the weather has in store. VIBRANCE® Duo helps to build a more resilient crop against these adverse conditions.

SUMMARY OF VIBRANCE® DUO ACTIVITY IN BARLEY

ACTIVE INGREDIENTS: 25 gai/l sedaxane
25 gai/l fludioxonil

CROPS	USE RATE	TIMING
Winter Barley	2.0 l/t	1 application before planting
Spring Barley	2.0 l/t	

CONTROL OF:

- ▶ Seed-borne snow mould (*Monographella nivalis*)
- ▶ Covered smut (*Ustilago hordei*)

MODERATE CONTROL OF:

- ▶ Leaf stripe (*Pyrenophora graminea*)*
- ▶ Loose smut (*Ustilago nuda*)*

*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*).

VIBRANCE® DUO LOOSE SMUT BEST USE ADVICE ON WINTER AND SPRING BARLEY

Use VIBRANCE® Duo on:

- Certified seed
- Farm-saved seed tested with <0.2% loose smut infection

Use VIBRANCE® Duo with a loose smut active partner in high risk loose smut situations:

- Untested or loose smut infected farm-saved seed
- When planning to farm-save your seed

As in wheat, we have observed **excellent rooting and establishment** benefits in both winter and spring barley with VIBRANCE® Duo.

WINTER BARLEY: INCREASED ROOTING AND CROP RESILIENCE



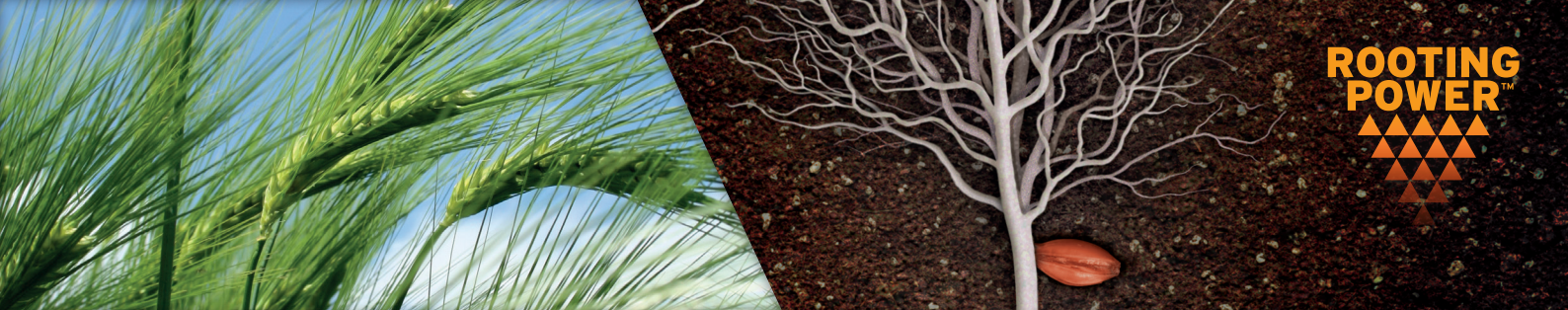
Shropshire, light soil, SY KINGSBARN hybrid winter barley, drilled early Oct. Assessed 2nd Mar 2021.



VIBRANCE® Duo 36% increase in rooting and 65% increase in foliage over Raxil Star. Berwick, SY KINGSBARN winter barley drilled 12th Sep 2019. Assessed 19th Mar 2020.



Brandon, Suffolk sandy loam (over chalk) soil, SY THUNDERBOLT hybrid winter barley drilled 18/09/20. Picture taken 09/10/20 and rooting assessed 15/03/21.



FUNGICIDE SEED TREATMENTS ARE A KEY FEATURE IN SUSTAINABLE FARMING

DON'T UNDERESTIMATE THE NEED FOR A SEED TREATMENT

It is important to continue using fungicide seed dressings to control key seed and soil-borne diseases, maximise crop establishment and lay the foundations to maximise crop yield and quality.

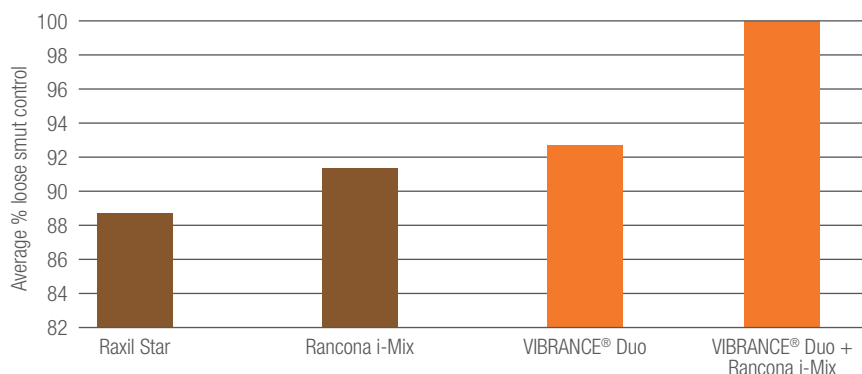
LOOSE SMUT

Some diseases like loose smut, aren't visible until the crop is in ear when it is then too late to treat.

VIBRANCE® Duo has good activity on loose smut. In higher risk loose smut situations Syngenta recommend co-application with a loose smut active partner, such as Rancona i-MIX.

WHEN IS THE RISK OF LOOSE SMUT HIGHER?

- Untested or loose smut infected farm saved seed
- When planning to farm save your seed



Average of 4 Syngenta trials. Loose smut in winter barley drilled autumn 2020.

VIBRANCE® DUO IMPROVES ESTABLISHMENT AND ROOTING ACROSS REDUCED CULTIVATIONS IN HYBRID BARLEY

Where practical, many farming systems use minimum tillage or direct drill for environmental, cost and time saving reasons. Improving establishment and rooting using VIBRANCE® Duo in these scenarios is a real benefit to protect yield.



Rougham, Suffolk. Medium soil. SY KINGSBARN hybrid winter barley drilled 1st October 2020. VIBRANCE® Duo + Rancona i-MIX versus Raxil Star assessed late November 2020.

