

Vitaflo® C

Seed Treatment

TECH TOPIC

Flowable seed dressing for the treatment of wheat, barley, oats and triticale.

Active ingredients: 400 g/L carboxin
3.2 g/L cypermethrin
(isomer ratio = 45:55)

Class: Group 7 fungicide
Group 3A insecticide

A suspension concentrate (flowable) seed dressing designed to maximise yield through rapid emergence and seedling growth without compromising on smut and bunt control.

Always refer to the label for complete details.

BENEFITS

- Enhances emergence and stimulates seedling growth
- Produces strong plants with effective root systems
- Soft on seeds
- Increases coleoptile length for improved emergence and early seed vigour
- Increases tillering by up to 15%
- Compatible with herbicides
- Protects against weevils & insects of stored grain

ENHANCING GRAIN YIELDS

Increased yield

Vitaflo® C (carboxin) has been extensively trialled worldwide, consistently showing increased crop yield. The combined effect of disease control and growth stimulation enhances grain yield.

Soft on seeds

Carboxin has a reputation as the low risk product on wheat seed. Unlike some triazole seed treatments, Vitaflo C will not interfere with seedling emergence, but actually enhances it.

Healthy roots

Treated crops produce strong plants with effective root systems, an important factor when seed bed conditions are far from ideal.

Plants with strong root systems established early are better able to withstand the stresses from moisture supply and temperature which limit crop growth. At the end of the season, a larger, healthy root system means better grain filling, particularly under moisture stressed conditions.

Increased coleoptile length

Vitaflo C increases coleoptile length. The coleoptile is the sheath which encases the first leaf and pushes through the soil to guide the leaf to the surface.

The coleoptile is critical for successful emergence and early plant vigour. If the coleoptile is shorter than the sowing depth, the first leaf must try and push through the soil to reach the surface. The seed has limited energy resources, so if this process takes too long the seedling may not emerge.

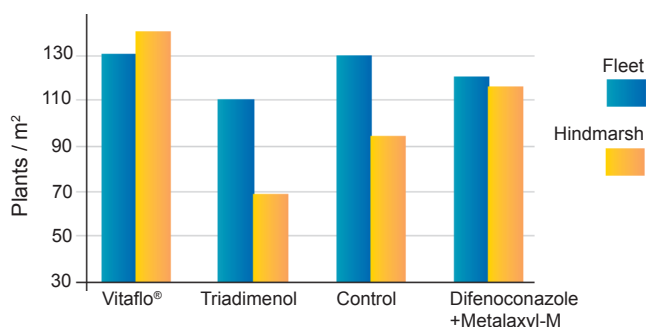
Increased tillering

Vitaflo C has been shown to increase tillering by up to 15%. Extensive trials in oats have supported an 11% increase in the number of bales cut per hectare.

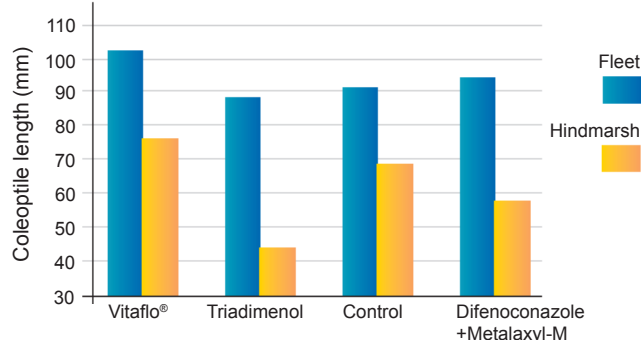
Compatible with herbicides

Vitaflo C is safe to use with herbicides at time of sowing, especially when using trifluralin. Other seed treatments (triazoles) in conjunction with trifluralin can lead to reduced crop emergence and vigour.

Plant establishment of Hindmarsh and Fleet in response to deep sowing (80mm) and seed dressing treatments (fungicides) applied at recommended rate at Karoonda, SA.



Coleoptile length of Hindmarsh and Fleet in response to deep sowing (80mm) and seed dressing treatments (fungicides) applied at recommended rate at Karoonda, SA 2010



Source: SARDI

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