

Intake Combi® Coated Granular Fertiliser

Disease Management

In addition to the adoption of disease resistant crop varieties, the use of fungicides to control diseases has increased sharply over the past decade in WA. In 2003, most growers adopted some form of fungicide strategy to combat the new strain of wheat stripe rust that was discovered in the previous season.

What is Intake Combi® ?

Intake® is a broad spectrum fungicide manufactured by Crop Care. The active ingredient is Flutriafol. Intake Combi® can be coated on granulated fertilisers or mixed with liquid fertilisers and applied in-furrow. It can also be applied as a foliar spray.

What does Intake Combi® do?

Intake Combi® in-furrow provides up to 18 weeks' protection against stripe rust, Septoria and Take-all in wheat; powdery mildew and scald in barley; and blackleg in canola.

On average across 66 trials in five States, Intake Combi® in-furrow at 400mL per hectare produced an average yield increase of 13% with cereals. In high disease situations, greater yield increases were recorded.

Coating Granular Fertilisers

CSBP coats granular fertilisers at Kwinana, Geraldton, Albany and Esperance. These facilities provide a uniform coverage of Intake Combi® on the fertiliser, which is important for good disease control.

The recommended in-furrow rate of Intake Combi® is 200mL to 400mL per hectare depending on the target disease. The Intake Combi® needs to be coated on the granular fertiliser at a rate that will deliver the recommended amount of fungicide per hectare for a predetermined rate of fertiliser application.

Intake Combi® should be used at a rate of 400mL per hectare to reduce blackleg infection in both susceptible and tolerant canola varieties. Intake Combi® at 200mL or 400mL per hectare will help control stripe rust in wheat and powdery mildew and scald in barley and 400mL per hectare will help control Septoria and Take-all in wheat.

Use the table below as a guide:

Fertiliser rate per hectare (kg)	Volume of Product per 100kg of fertiliser (mL)	
	200 mL rate	400 mL rate
50	400	800*
60	333	667*
70	286	571
80	250^	500
100	200^	400
120	167^	333

* Application volumes over 600mL per 100kg of fertiliser may adversely affect the flow rate and handling characteristics of dusty/poorly granulated fertilisers and some high nitrate fertilisers.

^ Where application volume is low, product may be diluted with water to improve coverage.

Application of Intake Combi® Coated Fertilisers

Although Intake Combi® is immobile in most soils, plant roots are able to rapidly access the fungicide and provide adequate disease protection as long as the fertiliser is within 4-5cm of the seed. Intake Combi® coated fertilisers need to be drilled with the seed or banded within 4-5cm of the seed. They should not be topdressed.

Safety

Intake Combi® is of low to moderate toxicity (S6). Dust from Intake Combi® coated fertiliser can irritate the eyes and skin and cause problems if ingested. Gloves, goggles and a respirator should be worn where there is a risk of contact.

Further Information

For more information on disease management, consult your Landmark Agronomist, Independent Sales Agent or Crop Care Technical Sales Representative. Nutritional advice is available from your CSBP Area Manager, or Landmark Agronomist.

Please Note: CSBP does not sell any fungicide but does coat solid fertilisers with Intake® as a service to customers.

