TECHNOTE
INTAKE HiLOAD GOLD APPLICATION TO FERTILISER ON FARM

WHAT IS INTAKE?

Intake® is a fungicide for the control of blackleg in canola and take–all and other major diseases including Stripe rust in cereals. It is applied to the fertiliser prior to sowing and sown in the same furrow as the seed.

HOW TO APPLY INTAKE TO FERTILISER ON FARM

The best way to apply Intake is to spray it onto the fertiliser as it moves through an auger in the same way as you would apply a fungicide to seed.

Nozzles should be set up either externally or internally, positioned at or near the base of the auger.

The following points should be considered to achieve the best coverage.

- Use granulated fertiliser which has been stored correctly and with moisture content within the manufacturer's guidelines.
- Fertiliser should be relatively free of dust or powder.
- A large diameter auger which will vigorously tumble fertiliser is preferred. This allows good secondary mixing of the fungicide with the fertiliser granules.
- The auger may be run at slow (ie half) speed to enhance primary application.
- If fitting nozzles to spray internally, fan jets should be aligned along rather than across the auger flow
- Two fan jets about 500mm (20in) apart are better than one

CALIBRATION

Intake is applied at 100-400mL/ha depending on the target disease and the disease pressure. Having chosen the rate, the correct volume of fungicide must be applied to the quantity of fertiliser which is to be applied to one hectare.

For example:- Desired Intake rate: 400mL/ha

Desired fertiliser rate: 80kg/ha

Therefore 400mL of Intake must be applied to every 80kg of fertiliser.

Step 1 Determine the output of the auger (eg. 50kg/minute)

Step 2 The rate of spray application required (in mL/minute) is then given by the following equation:

$$\frac{\text{Rate of Intake x Auger output in kg/minute}}{\text{Fertiliser rate in kg/ha}} = \text{Required nozzle output (mL/minute)}$$

In this example:

$$\frac{\text{400mL/ha x 50kg/minute}}{\text{80kg/ha}} = \text{a spray nozzle output of 250mL/min (or 125 mL/min for each nozzle if using two).}$$

Nufarm

Grow a better tomorrow.

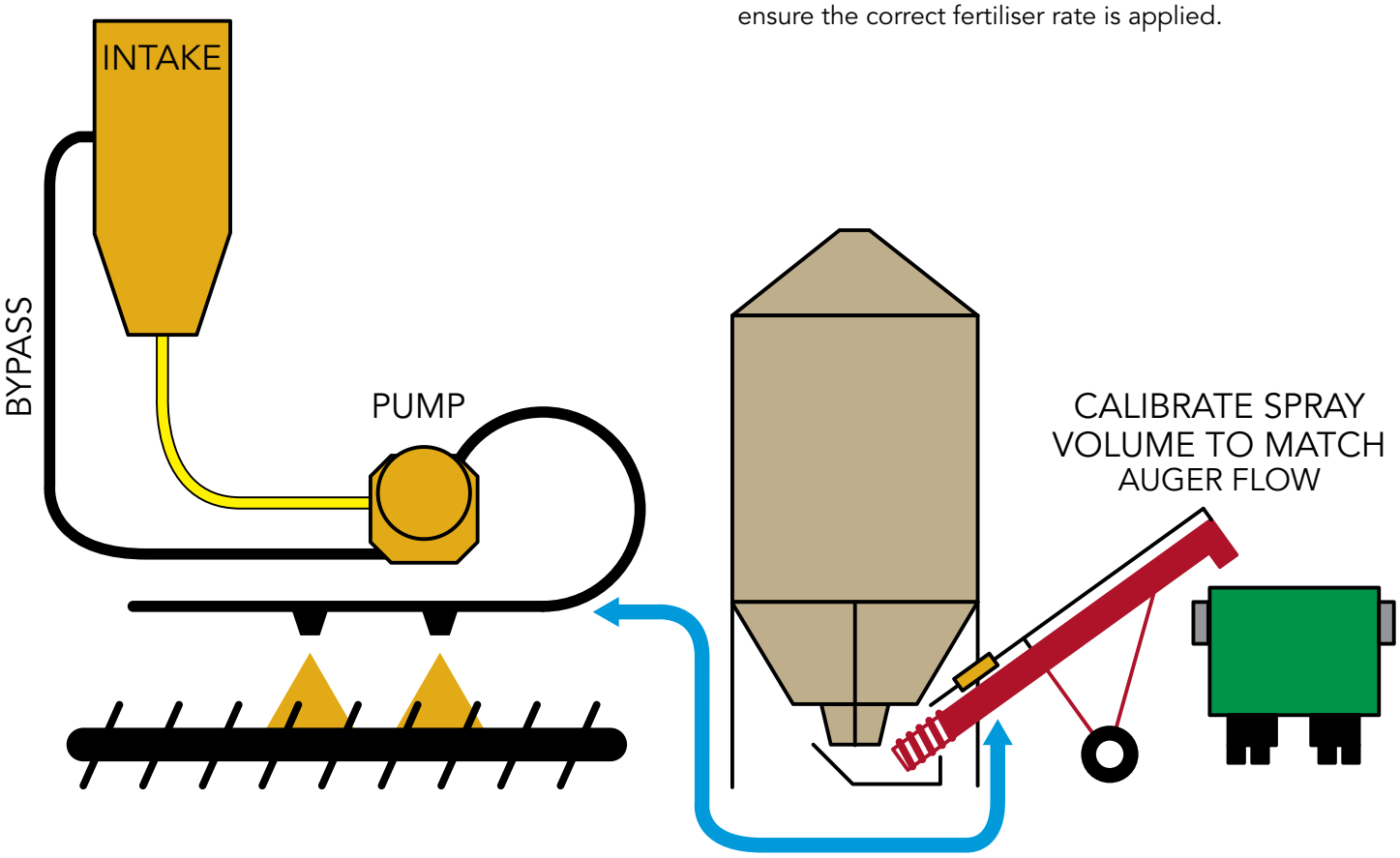
CALIBRATION continued

A ready reckoner is supplied on the Intake label to calculate the quantity of fungicide required for various fertiliser rates.

If the half rate of Intake in-furrow is being used, dilute the product with an equal volume of water. The above calculation would then remain the same except that the applicator would be required to deliver 250mL/minute of the mixture rather than the neat product.

HOW TO GET THE BEST FROM INTAKE IN-FURROW

- Treated fertiliser can be stored for a reasonable time prior to seeding. It should ideally be used in the same season.
- Treated fertiliser should be allowed to dry before use.
- Keep the treated fertiliser and seed in separate boxes until they are sown together in the same furrow.
- Do not broadcast treated fertiliser.
- Treated fertiliser may change its flow characteristics; make sure the seeding equipment is recalibrated to ensure the correct fertiliser rate is applied.



For more information, contact your local Nufarm Territory Manager.

nufarm.com.au

Nufarm Grow a better tomorrow.