



Avail® Phosphorus Fertiliser Enhancer



For use on GRANULAR PHOSPHATE FERTILISERS

Fertiliser enhancer for
granular phosphate

More usable phosphate
means better use of your
fertiliser investments
and better yields

PHOSPHORUS FERTILISER ENHANCER AVAIL® - GUIDE TO APPLICATION, BLENDING AND STORAGE

AVAIL® is fully water soluble which means it moves with the phosphate fertiliser granule as it enters the soil profile protecting the phosphate by up to 30% from lock up over a number of months. This solubility allows the protected phosphate to be available to the plant from the start.

Avail helps to protect fertiliser phosphate from being fixed to the soil, improving P efficiency.

AVAIL can be used on a wide range of granular phosphate fertilisers and once applied can be stored indefinitely without any loss of efficacy or degradation when kept dry.

AVAIL treated granular phosphate fertilisers can be used on all crops and soil types according to standard practice and local regulations. AVAIL itself provides season long protection of the phosphate whilst being water soluble and biodegradable in the soil.

For application to phosphorus fertilisers.

Active ingredient: 40% w/w partial sodium salt of maleic-itaconic copolymer
Inert ingredient: 60% water.

Conditions of supply:

Seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use.

Since weather, crop, soil and other conditions may vary, Verdesian Life Sciences and/or seller make no warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risks of use of handling, whether or not in accordance with directions or suggestions to the extent consistent with applicable law.

FOR ALL TECHNICAL ENQUIRIES CONTACT:

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AVAIL® (granular)

- Avail improves the availability of phosphate from granular based P-fertilisers by providing season long protection from fixation by metals within the soil surrounding the applied fertiliser.

Application – general

- Avail (granular) is used with granular phosphorus fertilisers such as DAP, TSP, NP, NPK.
- Avail remains effective over a cropping season and beyond.
- Avail improves storage and application properties of the phosphorus fertiliser and also reduces dust formation.
- Fertiliser bulk blends containing Avail treated phosphorus fertiliser also show improved storage and handling properties.

Application rate:

- 2.1 litres / tonne of fertiliser

How to apply:

- Use standard application equipment. It is recommended to use 316 grade pumps and attachments for application of Avail. Seals should be made of HDPE, Gore-Tex, Teflon or Viton.
- Dye maybe added to the Avail before application – follow dye manufacturer instructions.

Using a calibrated sprayer apply onto P-fertiliser moving on conveyor belt.

- Immediately after application, the Avail treated fertiliser should have mixing process to ensure as much as possible equal distribution across granules.

Mixing Drum

- Drum must always be filled with fertiliser first, Avail should be applied by spraying into the moving drum.
- Very small batches can be treated by slowly pouring Avail into the moving drum.
- Residence time in the drum should be no more than 6 minutes.
- It is not necessary to evenly cover the entire granule surface; however, an approximate equal amount of Avail should have impregnated any fertiliser granule.

Drying time:

- Treated fertiliser should be allowed to dry.
- The typical drying time is ±5 minutes, however, the actual drying time will depend on:
 - » the fertiliser used
 - » the degree of moisture in the fertiliser
 - » environmental condition
 - » the temperature and relative humidity of the air
 - » the equipment used and speed of mixing.
- Additives such as dyes can change drying time.

STORAGE:

- Avail stores for 2 years without deterioration, however, containers should be kept in a cool, dry, clean place and protected from direct sunlight.
- Storage properties of Avail treated P-fertilisers are improved over non-treated.
- After application Avail will remain fully efficient over the storage time of the treated P-fertiliser.

MAKING BULK BLENDS:

- Before blending with other components
 - Always treat the P-Fertiliser first and have it dried before it is used in a blend. Avail treated P-Fertiliser behaves as good as or better than untreated.
- as in any bulk blend the type and quality of the blending components may influence the properties (storage, shelf life, application) of the made blend.

CLEANING:

- After application, cleaning down of equipment with water is recommended as Avail is readily soluble in water.

SAFETY AND DISPOSAL

- Read instruction on product label before use. Wear protective clothing to avoid contact with skin or eyes or breathing in mist from sprayer. Observe local laws regarding disposal of unused product and containers.

USER SAFETY AVAIL

WARNING



- H317** May cause an allergic skin reaction.
- P261** Avoid breathing mists/vapours/aerosols.
- P280** Wear protective gloves/protective clothing.
- P302 + P352** IF ON SKIN: Wash with plenty of water and soap.
- P333 + P313** If skin irritation or rash occurs get medical advice/attention.
- P363** Wash contaminated clothing before reuse.
- P501** Dispose of the contents/container in a collection centre for dangerous goods and hazardous waste in accordance to local, regional, national and/or international regulations.

Emergency telephone:

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Contents: 946 L
Density: 1.29 kg/l at 20° C
Net Wt.: 1220 kg
Inv. ID: 20002634000



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