ZJFunder SAP

Agricultural water-retention materials | Product and procurement information | V71 · 9 November 2026

Potassium-based water-retention granules for agriculture, nurseries and horticulture. The composite combines a potassium acrylate-acrylamide copolymer with natural attapulgite.

Select the material for the application

Match the granule grade to the crop or tree, soil or growing medium, irrigation water and intended placement. Water-retention materials absorb supplied water and swell; rainfall or irrigation is needed for recharge.

Granule grades	Coarse: 1.0-2.5 mm Medium: 0.8-1.0 mm Fine: 0.2-0.8 mm
Standard packaging	25 kg bags
Standard order	500 kg - 20 standard bags
Initial material sample	A 20 g sample may be supplied free of material charge; the customer pays postage. Larger evaluation quantities and transport are agreed separately.
Supply enquiry	Share the required grade or application, quantity, packaging and destination. Product and dispatch arrangements are confirmed in the quotation.

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SAP supply and selection: zjfunder.com/landing/sap-distribution

Plan a useful evaluation

Begin with one defined application, then compare relevant operating conditions and costs.

1. Define the application

Record the crop or tree, growth stage, soil or substrate, irrigation water, fertiliser programme and placement method. Agree a suitable grade and an evaluation quantity for that application.

2. Compare under relevant conditions

Use a comparison with and without the material under recorded conditions. Track irrigation volume and frequency, labour, plant establishment or saleable quality, and the added material and application cost. Agree the design with the person responsible for the trial.

3. Read technical information in context

Absorption measurements depend on water quality, method, sample and conditions. They do not directly establish a field water-saving percentage, crop response or service duration. Confirm the test sample and grade corresponding to the supplied material.

4. Environmental evaluation

The formulation includes both a polymer and a mineral component. Research on related polymers describes possible degradation processes; it does not establish a complete-product mineralisation percentage or time in a particular soil. Product-specific environmental assessment requires the full test method, conditions, duration and material identity.

Discuss your application

Contact ZJFunder with your application or technical question

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