PRODUCT DATA SHEET

EFPOLYMER

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A WORLDWIDE INNOVATION

EF Polymer is a superabsorbent polymer that improves soil water retention and promotes plant growth by efficiently supplying moisture and nutrients. It enhances soil structure and supports healthy root development, acting as a soil amendment.

100% Organic

100% Biodegradable

Made from orange peel extracts and other agricultural by-products, EF Polymer is the only superabsorbent polymer authorized in France and Europe for all crop types.

EF Polymer Key Figures

40% up to
Water Savings

20% up to
Reduction in Fertilizers and Inputs

30% up to
Yield Increase

The world's one and only SAP with certified approval as Input for Organic Agriculture

Approved by ECOCERT INPUTS

OMJ 有機JAS資材評価協議会

SUITABLE FOR ORGANIC AGRICULTURE

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EFPOLYMER

Benefits of EF Polymer

Improved soil microbiome	EF Polymer supports microbial soil development with increased diversity and activity. It promotes healthier, more sustainable ecosystems and contributes to regenerative agriculture.
Increased soil porosity	Enhances water and nutrient retention, plant growth, and overall soil health.
Improved soil water retention	Optimizing soil water retention enhances plant resilience and sustainable agricultural productivity.
Better plant growth	Improved soil quality fosters robust and vigorous plant development.
Higher crop yields	Achieved through optimized farming practices, better soil fertility, and regulated water supply.
Reduced nutrient leaching	Enhances nutrient and fertilizer retention in soil, promoting efficient resource use and stimulating plant growth and crop yields.

EF Polymer Technical Sheet

CE Certification	PFC3 Organic soil amendment.
Ecocert Certification	Approved for organic farming.
Main ingredient	Pectin / orange peel extract.
Product form	Powder / Granules.
Packaging	1 kg, 5 kg; 20 kg; Big-Bag 800 kg
Composition	Organic matter: 60%; Organic carbon: 30%; K_2O: 0.9%; pH: 4 to 6; Dry matter: 75%.
Effective duration	6 months.
Absorption capacity	50 x
Biodegradability	100% in 1 year
Dosing & Application Guidelines	Overdose risk: No risk of overdosing; for best results, follow recommended dosages.
Irrigation advice	Water immediately after application.
Application	Do not apply to wet soil. Use EF Polymer during sowing, planting, or transplanting. For existing plants, incorporate EF Polymer into the soil above the root system.

EF Polymer Usage		Dosage
Field Crops		20 kg/ha
Vegetable crops or sowing	Nursery	1.5–2 g/m²
	Seed tray	0.5–1% weight of potting soil (2 to 5 kg/m3)
	Transplanting	1–2 g/plant
Urban gardening / Flower beds		0.5–1% weight of potting soil (2 to 7 kg/m3)
Lawn		3-10 g/m²
Horticultural planting	Plant height: 0 – 20 cm	0.5–1% weight of potting soil (2 to 7 kg/m3)
	Plant height: 20 – 50 cm	30–40 g/plant
	Plant height: 50 – 100 cm	40–80 g/plant
	Plant height: 100 – 300 cm	80–400 g/plant

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