

Discover the Power of Sat-Prem™ Organic Solutions

Our Comprehensive Range Includes:

Organic Fertilizers	<ul style="list-style-type: none"> - Naturally improve soil fertility - Add essential nutrients and microbes - Boost water retention & soil health
Bio-fertilizers	<ul style="list-style-type: none"> - Enhance nutrient uptake through microbes - Improve soil biology - Sustainably increase crop yield
Bio-stimulants & Micronutrients	<ul style="list-style-type: none"> - Stimulate growth & stress resistance - Ensure balanced nutrition - Enhance crop resilience
Bio-pesticides	<ul style="list-style-type: none"> - Eco-friendly pest and disease control - Reduce chemical pesticide use - Support healthier crops and soil life

Why Farmers Choose Sat-Prem™

<ul style="list-style-type: none"> - Scientifically formulated for Indian soils and crops
<ul style="list-style-type: none"> - Eco-friendly and safe for people, animals, and the environment
<ul style="list-style-type: none"> - Improves soil structure and water retention
<ul style="list-style-type: none"> - Enhances yield and crop quality naturally
<ul style="list-style-type: none"> - Supports sustainable, profitable farming



PIONEERS IN SUSTAINABLE AGRICULTURE

Sat-Prem™ Organic Fertilizers, Bio-Fertilizers & Bio-Stimulants

Innovating for Healthier Soil, Greener Fields, and Sustainable Farming Futures



Contact Us

- +91-9875998499
- SPS BIO-CHEM(P)Ltd,
SCO-413, Sector-8 Panchkula,
Haryana, India
- sales@spsbiochem.com

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Our Origin: From Concrete Foundations to Living Fields

SPS BIO-CHEM Pvt. Ltd., based in Damla, Yamuna Nagar, is the green venture of the renowned SPS Group, with roots in construction, infrastructure, real estate, and sustainable agriculture. Founded to restore soil health and reduce chemical use, it now leads a green revolution across India. Backed by decades of engineering expertise, SPS BIO-CHEM specializes in organic manure, biofertilizers, and bio-stimulants tailored to India's diverse agro-climates. Our mission: revive soil, boost natural yields, and empower farmers for a sustainable future. Recognized by UNIDO for innovation in green agriculture, we're proud to drive regenerative farming models globally. Our advanced in-house lab, led by expert microbiologists and agronomists, powers every breakthrough we deliver.



Our lab enables:

- Rigorous quality control of all Sat-Prem™ products
- Development of customized crop- and soil-specific solutions
- Continuous research on microbial efficiency, soil health, and nutrient bioavailability
- Compliance with national and international safety and performance standards

Our Mission

- Create scientifically proven organic inputs to boost soil fertility
- Minimize chemical use for safer, healthier food
- Support farmers with localized, high-impact solutions
- Promote eco-friendly, biodiversity-friendly agriculture
- Drive innovation in green farming through R&D

Our Vision

- Be India's torchbearer in sustainable farming.
- Empower rural India through profitable, earth-friendly agriculture.
- Lead a global transition toward nature-positive food systems.
- Establish Sat-Prem™ as the go-to brand for holistic crop nourishment.

Our Product Range

SAT-PREM™

Empowering Nature, Enriching Agriculture
Backed by ICAR-lab validation and SPS Group's legacy of innovation.



SAT-PREM™ FERMENTED ORGANIC MANURE (FOM)

Enhancing Soil Health & Sustainable Productivity

Product Overview:

Fermented Organic Manure (FOM) is a biologically enriched, eco-friendly organic input produced through anaerobic fermentation of agricultural by-products such as press mud and cow dung. This natural process increases nutrient bioavailability and stimulates soil microbial activity, resulting in enhanced soil fertility, improved structure, and vigorous plant growth.

Earlier categorized under Organic Fertilizers as per FCO 1985 guidelines, FOM has now been officially reclassified under the 2025 amendment as an "Organic Carbon Enhancer" by the Fertilizer Control Order (FCO). This acknowledges FOM's critical role in boosting soil organic carbon and supporting long-term soil health

Quality Parameters

Parameter	FCO Specification	SAT-PREM FOM Result*
Total Organic Carbon	Min. 14.0%	18.03%
Total Nitrogen (as N)	Min. 1.2%	1.71%
Total Phosphates (as P ₂ O ₅)	Min. 1.2%	1.40%
Total Potassium (as K ₂ O)	Min. 1.2%	1.48%
C:N Ratio	Less than 30	10.54

*Backed by ICAR-lab validation

Key Benefits:

- Increases soil organic carbon and humus content
- Enhances soil microbial biodiversity
- Improves soil aeration, texture, and water retention
- Promotes robust root development and crop vigor
- Reduces reliance on chemical fertilizers
- Revitalizes degraded, saline, or exhausted soils
- Supplies essential secondary nutrients like Calcium, Magnesium, and Sulphur



- 5 kg, 10 kg, 30 kg, 50 kg HDPE bags
- Open bulk packaging available on request

Recommended Dosage & Application:

Crop Type	Dosage	Application Instructions
Field Crops	1–2 tons per acre	Apply as basal dose 15–20 days before sowing, incorporate thoroughly into soil
Horticulture	5–10 kg per plant	Apply around root zone at planting or early growth stages
Vegetables	1–1.5 tons per acre	Split doses: basal and top dressing during early vegetative phase

Repeat application every crop cycle or as advised by your agronomist for optimum results. The product's performance depends on environmental and field conditions.

SAT-PREM™ PROM

Phosphate Rich Organic Manure

Product Overview:

SAT-PREM PROM is a granulated, eco-friendly Phosphate Rich Organic Manure made from Fermented Organic Manure (FOM). It offers a balanced blend of phosphorus, nitrogen, potash, organic carbon, and micronutrients, supporting crops throughout their growth cycle. It naturally solubilizes soil phosphorus, enhances root development, improves water retention, and boosts resistance to drought and heat stress. With regular use, it improves soil fertility, promotes microbial activity, increases yield, and reduces dependency on chemical fertilizers—making it ideal for sustainable farming.

Quality Parameters

Parameter	FCO Specification	SAT-PREM PROM Result*
Total Phosphates (as P ₂ O ₅)	Min. 8%	10.15%
Total Nitrogen (as N)	Min. 0.4%	2.53%
Total Organic Carbon	Min. 8.0%	20.97%
C:N Ratio	Less than 30	8.28

*Backed by ICAR-lab validation

Key Benefits:

- Enriches soil with balanced nutrients and organic carbon
- Boosts beneficial microbial activity near roots
- Makes soil phosphorus available to plants
- Supports early growth and plant strength for higher yields
- Enhances drought and heat stress tolerance
- Improves soil structure and water retention
- Provides secondary nutrients like Ca, Mg, S, Cu, and Zn
- Eco-friendly alternative to chemical fertilizer



- Open bulk packaging available on request

Recommended Dosage & Application:

Crop Type	Dosage	Application Instructions
Field Crops	200–500 kg per acre	Apply as basal dose 15–20 days before sowing, incorporate well into soil
Horticulture	500–1000 g per plant	Apply around root zone during planting or early growth stages
Vegetables	250–500 kg per acre	Split doses: basal and top dressing during early vegetative phase

Repeat application every crop cycle or as advised by your agronomist for optimal results. The product's performance depends on environmental and field conditions.

SAT-PREM™ Mycoroots

The Smart Bio-Fertilizer for Stronger Crops and Healthier Soil

Product Overview:

Sat-Prem™ Mycoroots is an eco-friendly bio-fertilizer powered by VAM fungi that form a symbiotic bond with plant roots, enhancing water and nutrient absorption. It strengthens roots, improves plant health, boosts yields, and promotes long-term soil fertility—reducing the need for chemical fertilizers. Once applied, the fungi develop an underground hyphal network that extends the root system and improves the uptake of key nutrients like phosphorus, nitrogen, zinc, and more. Mycoroots also enhances soil structure, moisture retention, microbial activity, and crop resistance to stress and diseases.

Quality Parameters

Parameter	FCO Specification/ Limit	SAT-PREM Result*
pH	5.0-7.0	6
Infectivity/Inoculum potential	1200 IP/g of finished product by MPN method with 10 fold dilution	1500 IP/g
Total viable spores/gram of Product	Minimum 10 viable spores per gram of finished product	48

*Backed by ICAR-lab validation

Key Benefits:

- Promotes strong root growth and plant stability
- Enhances nutrient uptake and drought resistance
- Stimulates growth and increases crop yield
- Improves soil texture, aeration, and microbial activity
- Strengthens plant immunity and soil sustainability
- Reduces reliance on chemical fertilizers

Important Usage Guidelines:

- Ensure soil is moist before application.
- Do not mix with fungicides.
- Compatible with organic and integrated nutrient management programs.
- Suitable for all major crops under Indian agro-climatic conditions.



• 1 kg, 4 kg, 250 ml, 500 ml, 1 litre

Available Forms, Packing Sizes, Recommended Dosage & Application Method:

Form	Packing Sizes	Dosage per Acre	Method of Use
Field Crops	200-500 kg per acre	4-8 kg	Apply as basal dose 15-20 days before sowing, incorporate well into soil
Horticulture	500-1000 g per plant	1 litre	Apply around root zone during planting or early growth stages
Vegetables	250-500 kg per acre	100 gm	Split doses: basal and top dressing during early vegetative phase

Repeat application every crop cycle or as advised by your agronomist for optimal results. The product's performance depends on environmental and field conditions.

Crops	Granules	Liquid	Powder	Application Timing
Rice, Wheat, Maize, Barley	4-6 kg/acre	1 litre/acre	100 gm/acre	Up to 45 days after sowing/transplanting
Pulses, Oilseeds (Soybean, etc.)	4 kg/acre	1 litre/acre	100 gm/acre	At sowing till first irrigation
Sugarcane, Cotton	8 kg/acre	1 litre/acre	100 gm/acre	At sowing or up to 50 days after planting
Tomato, Chili, Onion, Brinjal	4-6 kg/acre	1 litre/acre	100 gm/acre	Within 0-45 days after transplanting
Cucurbits (Melon, Pumpkin, etc.)	4-6 kg/acre	1 litre/acre	100 gm/acre	Within 0-45 days after sowing
Potato, Turmeric, Ginger	6-8 kg/acre	1 litre/acre	100 gm/acre	At sowing or before first irrigation
Fruits (Mango, Guava, Apple, etc.)	100-150 gm/tree	50-100 ml/tree	10-20 gm/tree	During flowering or fruit development
Citrus Fruits (Kinnow, Orange)	80-100 gm/tree	50-100 ml/tree	10-20 gm/tree	Beginning of "bahar" season
Grapes, Papaya	6-8 kg/acre	1 litre/acre	100 gm/acre	June-July & Oct-Nov
Banana	6-8 kg/acre	1 litre/acre	100 gm/acre	At planting
Pomegranate	8 kg/acre	1 litre/acre	100 gm/acre	Beginning of "bahar" season