



## Triple Superphosphate (TSP)

Chemical Formula:  $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$  | HS Code: 31031000

### Product Overview

Triple Superphosphate (TSP) is a highly concentrated phosphorus fertilizer containing 46%  $\text{P}_2\text{O}_5$  in a water-soluble form. It is derived from naturally occurring phosphate rock treated with phosphoric acid, producing a fertilizer with minimal impurities and superior nutrient availability.

TSP is especially beneficial for phosphorus-deficient soils, supporting strong root growth, early plant maturity, and improved yield quality across a wide range of crops.

### Key Benefits

- Delivers 100% water-soluble phosphorus, ensuring quick plant uptake.
- Promotes root development and flowering in the early growth stages.
- Enhances fruit quality, size, and yield.
- Suitable for all crops and soil types.
- Excellent compatibility with nitrogenous and potassic fertilizers.

### Typical Specifications

Parameter	Unit	Specification
Appearance		Grey or Brownish Granular
Phosphorus ( $\text{P}_2\text{O}_5$ )	%	46 min
Water Soluble $\text{P}_2\text{O}_5$	%	42 min
Moisture	%	2.5 max
Free Acidity (as $\text{H}_3\text{PO}_4$ )		4.5 max
Particle Size (1–4 mm)	%	90 min

### Packaging

- 25 Kg / 50 Kg HDPE Bags
- Bulk and customized packaging options available.

### Storage & Handling

- Store in a dry, covered, and ventilated area.
- Avoid exposure to moisture and direct sunlight.
- Use proper protective equipment during handling.

### Safety Information

- Non-combustible and stable under normal conditions.
- Avoid inhaling dust or contact with eyes.
- Refer to the Safety Data Sheet (SDS) for detailed guidance.