



WATANI AGRICULTURE GYPSUM

CALCIUM SULFATE DIHYDRATE (CaSO₄·2H₂O)

Together, We Build Gypsum Excellence

DESCRIPTION

Watani Agriculture Gypsum is a natural calcium sulfate dihydrate (CaSO₄·2H₂O) product sourced from high-purity gypsum ore. It serves as an excellent **soil conditioner** and **calcium source in agriculture**. The product **improves soil structure**, **enhances water infiltration**, **reduces salinity**, and **promotes root development**. It is a **non-toxic**, **eco-friendly** mineral suitable for **sustainable agricultural applications**.

KEY FEATURES

- Provides a readily available source of **calcium and sulfur**.
- Improves soil permeability** and **aeration**.
- Reduces soil compaction** and **salinity**.
- Enhances nutrient uptake** and **root growth**.
- Safe, natural**, and **n-toxic** to plants, animals, and the environment.
- Conforms to international quality and safety standards.

TYPICAL APPLICATIONS

- Soil amendment** for improving **structure** and **fertility**.
- Calcium supplement** in agricultural soils **deficient** in calcium.
- Soil reclamation** in **saline** or **sodic** conditions.
- Neutralization** of **sodium** and **magnesium** in **irrigation areas**.



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PROPERTY	TYPICAL VALUE	REMARKS / TEST METHOD
CHEMICAL FORMULA	<chem>CASO4·2H2O</chem>	CALCIUM SULFATE DIHYDRATE
PURITY (CASO ₄ ·2H ₂ O)	>90%	NATURAL GYPSUM ORE
MOISTURE CONTENT	UP TO 5%	CONTROLLED DRYING PROCESS
TRACE ELEMENTS (NA, MG, SI, AL)	<1%	NATURALLY OCCURRING
COLOR	WHITE	—
ODOR	ODORLESS	—
APPEARANCE	GRANULAR	—
RELATIVE DENSITY	1000-1200 KG/M ³	—
SOLUBILITY IN WATER	0.3%	—
PH (IN SOLUTION)	6-8	NEUTRAL TO SLIGHTLY ACIDIC
MELTING POINT	1460°C	—
TOXICITY	NON-TOXIC	SAFE FOR AGRICULTURAL USE

APPLICATION GUIDELINES

- Apply evenly to the soil surface and incorporate by tilling.
- Typical dosage: 1-3 tons per hectare, depending on soil analysis.
- For sodic soils, dosage may be increased based on sodium content.
- Use clean spreading equipment to ensure uniform distribution.
- Reapply annually or as recommended by an agronomist.

HANDLING AND STORAGE

- Avoid generating or inhaling dust. Store in a dry, covered area on pallets or elevated surfaces. Do not stack more than two pallets high. Keep bags sealed and protected from moisture. Wash hands after handling.



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PACKAGING AND SHELF LIFE

Standard packaging: 25 kg bags (other sizes available upon request).

Shelf life: 12 months when stored in dry conditions away from moisture.

SAFETY INFORMATION

Watani Agriculture Gypsum is not classified as hazardous under GHS or OSHA standards.

Avoid breathing dust. Use safety glasses and dust mask if handling bulk quantities.

Non-flammable and stable under normal conditions. For detailed first aid and emergency procedures, refer to the MSDS.

ENVIRONMENTAL IMPACT

100% natural and biodegradable. Non-toxic to plants, animals, and aquatic life. Non-persistent and non-bioaccumulative. Safe for long-term soil use.



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