



WATANI AGRICULTURE GYPSUM

CALCIUM SULFATE DIHYDRATE ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)

Together, We Build Gypsum Excellence

DESCRIPTION

Watani Agriculture Gypsum is a natural calcium sulfate dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) 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	CASO ₄ ·2H ₂ O	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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