

NovoMAX

Treatment of oxidation ponds and anaerobic systems

Description:

Novomax Treatment of oxidation ponds and anaerobic systems is an advanced dry powder biological treatment designed to accelerate the degradation of complex organic matter in facultative and anaerobic systems such as lagoons, ponds, biodigesters, and WWTPs. Its action is based on highly concentrated natural microorganisms that work synergistically to reduce odors, BOD, COD, and settleable solids in a sustainable way and without aggressive chemicals.

Parameter	Value
Form	Dry powder, toasted brown color
Concentration	4 billion CFU/g
Apparent Density	0.5–0.1 g/cm ³
Maximum Humidity	15%
Working pH	6.0 – 8.5
Microbiological Stability	Maximum loss of 1 log/year
Packets	50 water-soluble packets of 225 g
Presentation	24lbs (11 kg) buckets



Mode of Action:

The selected microorganisms degrade:

- Fats, proteins, oils, carbohydrates, and hydrocarbons in anaerobic and facultative environments.
- Organic sludge, generating gases such as methane or CO₂ without forming toxic compounds.
- Plant and industrial matter, accelerating the system's natural biological cycles.

Its action includes:

- Competitive exclusion of pathogenic bacteria
- Stabilization of biological processes under difficult conditions
- Prevention of foaming, odors, and collapse due to organic overload

CORRECT WAY TO USE NOVOMAX FOR OXIDATION PONDS

Applications:

- Oxidation ponds
- Retention and digestion ponds
- Municipal and industrial WWTPs
- Anaerobic or facultative systems
- Sedimentation pits in agri-food industries



Recommended Application Methods:

- Manual dispersion from shores or floating platforms
- Use of pumps or motor pumps to spread the mixture
- In large systems, a boat can be used for full surface distribution



Recommended Dosage

Facultative Lagoons:

- Initial dose: 20 kg per 10,000 m² per day (for 5 days)
- Maintenance: 2 kg/week per 10,000 m²

Anaerobic Lagoons:

- Less than 200,000 liters: 1 kg, twice a week
- More than 200,000 liters: 0.5 kg every 10 days

Application Method:

Before application, the 225 g sachets must be rehydrated to activate the microorganisms. This can be done as follows:

1. Fill a clean container (bucket, tank, or cylinder) with water from the same system to be treated, without chlorine or disinfectants.
2. For each 225 g sachet, use approximately 10–15 liters of water.
3. Empty the sachet contents and stir gently for 5 minutes.
4. Let the mixture rest for 30 to 45 minutes to activate the bacteria.
5. Apply directly to the system to be treated.

Recommendations:

- Distribute the sachets evenly over the entire surface of the lagoon.
- Avoid applying near water inlets or outlets with strong currents to ensure proper dissolution.

Note:

- In situations where it is not possible to pre-hydrate the Novomax sachets, it is also valid to apply the product directly onto the lagoon. This can be done by throwing the 225 g soluble sachets from the shores, floating platforms, or boats.
- The sachets are designed to completely dissolve upon contact with water, releasing active microorganisms in a controlled manner. This method allows for practical and fast distribution, especially in large or hard-to-access lagoons.



Storage:

Novomax is an ecological and non-toxic product. However, the following basic precautions must be observed:

- Store in a cool, dry place (5 °C to 25 °C), away from direct moisture.
- Do not ingest or inhale the powder directly.
- Use gloves and a mask during prolonged handling.

