



VELMURUGAN FERTILISER COMPANY RTV EXPORTS PVT LTD

**POTASH DERIVED FROM
MOLASSES
[PDFM]**

Product Overview:

Potash Derived from Molasses (PDFM) is an innovative and sustainable organic fertilizer produced from the residual by-products of the sugar industry. This natural fertilizer is rich in potassium (K), an essential nutrient for plant growth and development. PDFM is highly effective in improving soil fertility, enhancing crop yield, and promoting sustainable agriculture. It is an eco-friendly alternative to synthetic fertilizers and is particularly beneficial for organic farming practices.

Natural Potash from Incineration Technology

During the processing the Distillery plant unit, the natural potash which is incinerated in the Incineration Boiler after concentrating in various stages. We source this Natural Potash from Sugar Distillery Unit. POTASH 14.5% Potash derived from Molasses Potassium encourages plants to adjust to dynamic weather conditions, strengthen stalks and absorb more nutrients. When potash is used on crops such as paddy, cotton, vegetables & wheat, it increases the quantity and quality of yield.

Key Benefits:

Rich Source of Potassium: PDFM provides a natural and readily available source of potassium, essential for plant processes such as water regulation, photosynthesis, and enzyme activation.

Eco-Friendly: Made from molasses, a by-product of sugar processing, PDFM is a renewable and sustainable resource, contributing to environmental sustainability and reducing reliance on chemical fertilizers.

Improves Soil Structure: PDFM enhances the soil's water-holding capacity and promotes microbial activity, leading to healthier soil and improved nutrient absorption by plants.

Promotes Growth: Regular application of PDFM helps improve root development, flowering, and fruiting in a wide range of crops, including fruits, vegetables, cereals, and horticultural plants.

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Applications/Uses:

PDFM Organic Manure can be applied to various crops, including:

1. **Field Crops:** Wheat, rice, maize, barley, and other grains.
2. **Vegetables:** Tomatoes, potatoes, carrots, onions, and leafy greens.
3. **Fruit Crops:** Mangoes, bananas, apples, grapes, and citrus fruits.
4. **Horticulture:** Flowers, ornamental plants, and nurseries.
5. **Sugarcane:** Enhances the growth of sugarcane plants and increases the sucrose content.
6. **Tea, Coffee, and Plantation Crops:** Used for promoting overall plant health and increasing yield.

Specifications:

Powder Form

Component	Content
Potassium (K ₂ O)	18-22%
Organic Matter	40-50%
Moisture Content	≤ 10%
pH	6.5 - 7.5
Color	Dark brown
Physical State	Powder
Solubility	Fully soluble in water
Odor	Mild molasses scent

Granular Form

Component	Content
Potassium (K ₂ O)	14.5%
Organic Matter	40-50%
Moisture Content	≤ 10%
pH	6.5 - 7.5
Color	Dark brown
Physical State	Granular
Solubility	Fully soluble in water
Odor	Mild molasses scent



Dosage and Application:

1. Soil Application:

- o **Field Crops:** Apply 200-250 kg per acre.
- o **Fruit Trees and Plantation Crops:** Apply 5-10 kg per tree, depending on size and age.
- o **Vegetable Crops:** Apply 50-100 kg per acre, either at the time of sowing or as top dressing.

2. Foliar Spray:

- o Prepare a solution by dissolving 5-10 kg of PDM in 200 liters of water. Apply as a foliar spray during the growing season to improve nutrient uptake.



Packaging:

Available in:

- o 25 kg woven bags with inner lining for moisture protection.
- o 50 kg woven bags with inner lining for moisture protection

Storage:

Store in a cool, dry place away from direct sunlight. Ensure the bag is properly sealed to avoid moisture absorption.

Safety Information:

Non-toxic and safe for handling without special protective equipment.

Avoid inhalation of dust during application.

Keep out of reach of children and animals.

In case of contact with eyes or skin, wash thoroughly with clean water.

Conclusion:

Potash Derived from Molasses (PDFM) Organic Manure is a superior organic fertilizer designed to support the needs of both conventional and organic farmers. With its high potassium content and soil-enhancing properties, PDM is the ideal choice for improving soil health, boosting crop yields, and fostering sustainable farming practices.

Contact information:

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