

# **SOLID DEW**

## **Crystals**

[www.soliddew.com](http://www.soliddew.com)



## SOLID DEW CRYSTALS

- Utilizing pH-neutral macromolecules rooted in potassium, **Solid Dew crystals** are engineered to absorb and retain substantial quantities of water and nutrients when integrated into the soil. These macromolecules promote optimal plant growth while minimizing the loss of water and nutrients through leaching and evaporation.
- This product is not only non-toxic and biodegradable, but it also boasts an impressive absorption capacity — up to 400 times its weight in water. This remarkable characteristic ensures a consistent and healthy growth trajectory for your crops.







## KEY BENEFITS

- Provides consistent moisture to plants for optimal growth.
- Improves root growth and development in cuttings, transplants, and seedlings, resulting in more homogenous root systems.
- Reduces soil erosion significantly, preventing loss of soil and nutrients.
- Environmentally friendly and safe for plants, animals, and the ecosystem.
- Does not cause root rot, ensuring healthy and strong plants.
- Watering frequency can be reduced by up to 50%, saving water and reducing maintenance.
- Solid Dew products have been shown to increase yields by at least 25% compared to control plots, promoting healthy and abundant plant growth.





With Solid Dew

Without Solid Dew

## IMPROVED ROOT SYSTEM



With Solid Dew



Without Solid Dew



## PERFORMANCES & ADVANTAGES

- Increases soil's water holding capacity for several years, reducing the need for frequent watering.
- Limits water and nutrient losses due to leaching, ensuring they remain available for plant uptake.
- Reduces soil evaporation, preventing water loss and promoting efficient plant growth.
- Improves soil structure and aeration, facilitating root growth and enhancing nutrient uptake.
- Enhances plant growth by providing a continuous supply of water and nutrients in the root zone, optimizing absorption.
- Protects against drought and groundwater pollution, promoting a healthy and sustainable environment.



## YIELD RESULTS

Trials utilizing Solid Dew have been conducted across the world. Yield results for crops versus control groups of some of these trials include:

Florida: - In hemp farming, SOLID DEW significantly improved the transplanting and growth rates and has allowed for a significant increase in yields.

Illinois: - 8.4 bushels of soybeans per acre increase  
- 18.9 bushels of corn per acre increase

Mississippi: - 9 bushels of corn per acre increase

Dominican Republic: - In rain-fed sugar cane farming, SOLID DEW improved the transplanting and growth rates of cane shoots during the dry season and has allowed for a significant increase in yields. The sugar yield of plots treated with 15 kg/ha increased by 25% over the control plots.





# APPLICATION POTTED PLANTS



## STEP 1

Use 10 grams of Solid Dew per gallon of soil.

## STEP 2

Mix evenly with your Soil.



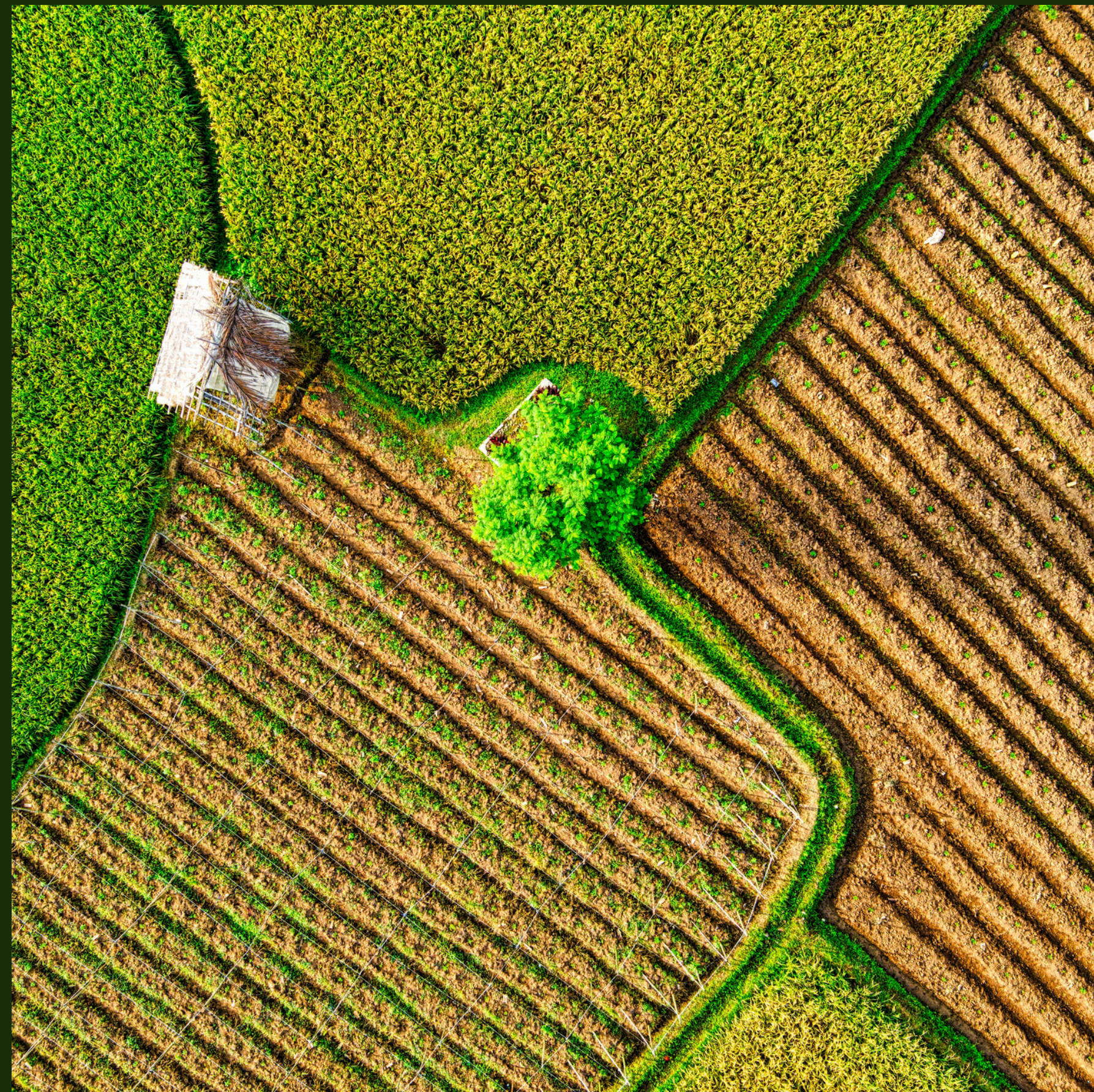
## STEP 3

Plant your seed or sapling.



# GENERAL APPLICATION FOR CROPS

- Granules can be incorporated with other dry additives: Fertilizer, Lime, Gypsum, and Mulch
- For optimal effect granules should be tilled into the soil at a depth of 6-10 inches
- Granules should be dispersed at a rate of 15 - 20 pounds per acre Broadcast
- Granules should be dispersed at a rate of 5 - 10 pounds per acre In-Furrow
- Granules should be mixed throughout the soil matrix.
- Granule size should match particle size of other dry additives.





# GENERAL APPLICATION FOR SOD

- Apply Solid Dew on area to be sodded. Application rate: 10 lbs./43,560 sq.ft. (or 10 lbs./acre) with spreader. Spread evenly over the soil surface.
- Till, level, and prepare the area for new sod installation.
- Apply lime (CaCo3) if soil pH requires correction.
- Apply starter fertilizer with high phosphorus and potassium content (such as 8-22-22, 9-23-30, or similar).
- Install new sod on treated surface



# ARBORICULTURE

- Dig a hole about three times the volume of the root system.
- Mix 1-3 pounds of Solid Dew into the earth fill.
- The product must be evenly mixed into the excavated soil. A small amount of untreated soil must be set aside.
- Place the root ball of the plant at the bottom of the hole and fill in the hole with the treated soil. Make sure that the product is distributed evenly around the roots. Then cover the surface with 2 inches of untreated soil to prevent degradation of the polymer by ultraviolet rays and stagnation of water on the surface.
- Be especially careful not to put unmixed dry product at the bottom of the hole. After hydration, the product would destabilize the plant.





# MANUFACTURED

Solid Dew is manufactured exclusively in the USA and approved by the US Department of Agriculture (USDA). Our company is dedicated to ensuring that our clients always receive the highest quality and best products.





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**www.soliddew.com**