WATER MANAGEMENT

DOMINO™

IRRIGATION INJECTION SURFACTANT

UNIVERSITY OF IDAHO DATA

Domino™ is a highly concentrated combination of four unique surfactants designed to manage irrigation water across a variety of soil types. Each surfactant plays a critical role in the performance of the product.

SOIL WATER MANAGEMENT

Even with irrigation, a plant's health and yield can be negatively affected by periods of moisture stress. Moving irrigation water more effectively throughout the plant root zone, and keeping it available to the plant over time, enhances the growing environment of the crop.

DOMINO'S FORMULATION

- Two infiltration surfactant components reduce the surface tension of irrigation water and improve solubility across a range of soils
- One hydration surfactant component is highly soluble and maintains plant-available water over time
- One hydration surfactant component resists breakdown by soil microbes, improving longevity in the root zone

USE RATES & APPLICATION INTERVAL

- Apply 1 quart per acre at crop establishment
- Apply 1 pint per acre, every four weeks to crop harvest

APPLICATION METHOD

IRRIGATION INJECTION IS PREFERRED METHOD: Apply through an irrigation system utilizing drip tubes, tape, micro emitters or overhead sprinklers. Do not apply Domino through earthen ditches. Prior to mixing Domino with water conditioners or plant nutrients, perform a jar test to test compatibility. Agitation is recommended in fertigation tanks to ensure uniform injection of nutrients and Domino. Always use back-flow prevention when injecting Domino or other injectable products. SPRAY APPLICATION: On annual crops, apply Domino alone or in combination with nutrients, prior to planting. On perennial crops, direct the spray to the soil surface at the base of the plant. Irrigate immediately after all spray applications to move product into the soil.

PRECISION™ LABORATORIES
Results. Expect it.

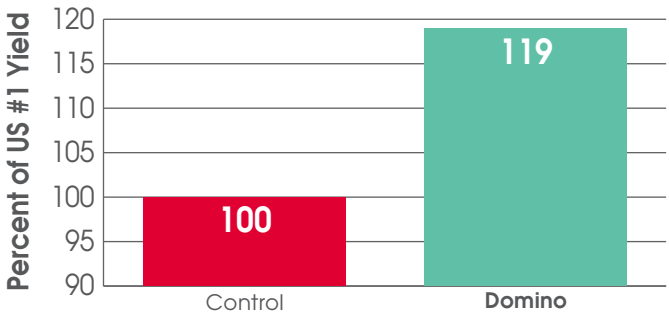
DOMINO™

PERFORMANCE DATA - UNIVERSITY OF IDAHO

Trials conducted in 2017, by Dr. Howard Neibling at The University of Idaho, proved that applying Domino to potatoes and sugar beets through an irrigation system, resulted in increased crop quality and yield and decreased water use.

All crops were grown in silt loam soils. Plots were treated with Domino through an irrigation system. Initial treatment was 1 quart per acre, followed by 3 applications at 1 pint per acre every 30 days.

INCREASED HIGH-QUALITY POTATO YIELD

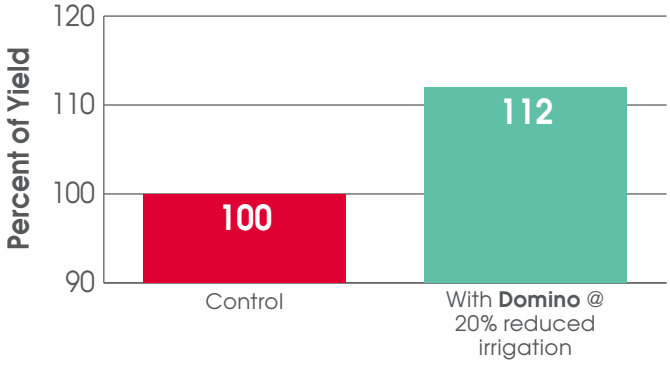


US #1 potato yield increase by 19% when irrigation water injected with Domino was applied to potatoes grown on a sloping, silt loam soil.

INCREASED SUGAR BEET YIELD

Sugar beet yield increased by 4% when irrigation water injected with Domino was applied.

SUGAR BEET YIELD @ REDUCED IRRIGATION



Sugar beet plots, irrigated with Domino at 20% water reduction, produced greater yields than the control at 100% irrigation.

Specialized chemistries that enhance plants, seeds, soil and water.
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