



Aqua-Drive

The #1 Soil Wetting Agent



Aqua-Drive is the leading soil wetting agent in western agriculture—saving water for more than 20 years.

Now formulated for residential lawns and gardens, Aqua-Drive helps homeowners save water. It enables soils to absorb water faster with virtually no runoff.

Helps water penetrate more deeply and widely in chronic dry patches of lawns and gardens.

CONTACT INFORMATION

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BLOCK POLYMER SURFACTANT – Aqua-Drive's advanced chemistry treats both the soil and water to drive moisture into hard-to-wet soils.



TWO MODES OF ACTION – Reduces surface tension of water droplets as much as 60%. Bonds to hydrophobic soil colloids, dispersing water down and across the root zone.



VIRTUALLY ELIMINATES RUNOFF
Enables water to soak into soil more quickly. Prevents pooling or run-off into storm drains.



SAVES MORE WATER – A single treatment lasts 45-60 days. Western farmers irrigate less, conserve water and save time by using Aqua-Drive.



CUTS WATER BILLS – Reduces water use on lawns and gardens. Using less water helps homeowners save time and money.

Aqua-Drive Residential Soil Wetting Agent

What are Hydrophobic Soils?

Hydrophobic soils repel water instead of absorbing it because the soil particles are coated with waxy residues. When water is applied to these soils, it beads up, runs off or pools on top of the soil.

Hydrophobic soils are caused by extreme heat from wildfires, inconsistent or poor irrigation practices, certain pesticides and herbicides, and over-use of mulch and compost.

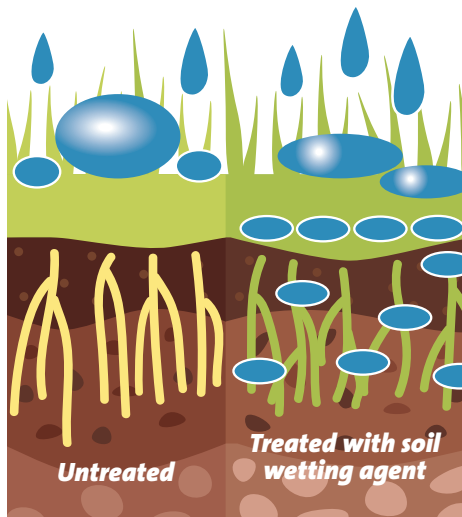
Signs of hydrophobic soils include: patchy lawns with chronic dry spots, stress in grass and garden plants, runoff of rainfall and sprinkler water, increased topsoil erosion.

States with Hydrophobic Soils



What are Soil Wetting Agents?

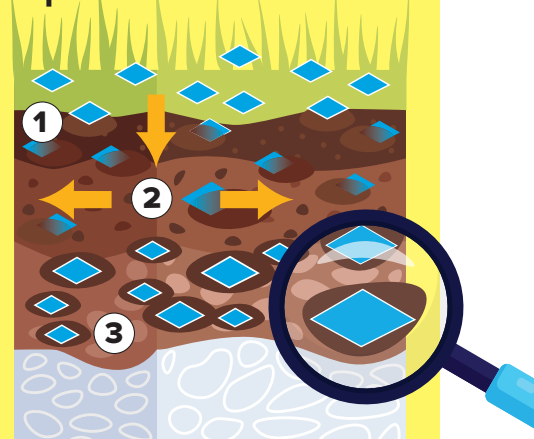
Soil wetting agents are designed to help hydrophobic soils absorb more water, more quickly. Aqua-Drive is specially formulated to reduce the surface tension and contact angle of water. This allows the water to penetrate more quickly, deeply and widely across the root zone.



How does Aqua-Drive Work?

- Aqua-Drive is a blend of proprietary block polymers and non-ionic surfactants.
- Block polymers increase water penetration by strongly bonding with hydrophobic soil particles to alter soil-water interface.
- Non-ionic surfactants reduce water surface tension by 60% to allow water to spread more easily over and into soils.
- This increases speed of moisture penetration vertically and laterally in soil to ensure adequate moisture throughout entire root zone.
- Virtually eliminates runoff of rainfall and sprinkler water. Prevents chronic dry spots and soil compaction.

Aqua-Drive Mode of Action



- 1 The block polymers in Aqua-Drive bond strongly with hydrophobic soil particles to alter and improve soil-water interface.
- 2 Its non-ionic surfactants reduce water surface tension by 60% to spread over and into soil particles.
- 3 This increases speed of moisture penetration vertically and laterally in soil profile to ensure adequate moisture through entire root zone.

Aqua-Drive: Proven in Western Agriculture— Now for Lawns & Gardens

- Saves water
- Cuts irrigation costs
- Transforms hydrophobic soils to absorb more water
- Creates healthier root systems
- Increases drought and heat resistance
- Launched in 2004

Contact your Diamond K Territory Manager.