
Put your water to work.
Aquatrols
Dispatch®
Injectable
Aquatrols
Dispatch®
Sprayable
Aquatrols®

Dispatch takes over where irrigation systems leave off.

Dispatch's patented technology ensures that applied water moves off the surface and into the rootzone more uniformly for less waste and better irrigation efficiency.

Dispatch maximizes irrigation efficiency, allowing you to save water and energy. With two formulations available, Dispatch can easily be injected into your irrigation or tank mixed with any spray application.

Photo Courtesy of Tom Malehorn

- Greatly increases water penetration and irrigation efficiency
- Significantly reduces runoff on sloped areas: low areas aren't wet, high areas aren't dry
- Increases nitrogen fertilizer efficiency
- Moves fertilizer and chemicals into the soil more uniformly for maximum benefit
- Save 20% - 50% in water and energy
- Better turf performance and playability

Many factors can affect the true efficiency of your irrigation system. But perhaps the most overlooked factor is the ability of water to move in your soil.

Water is the driving force behind turf health and growth, and it's important to get it into the soil uniformly for consistent turf performance. Water repellency — even at low levels — can prevent it from penetrating properly.

Water repellency can occur anywhere in your soils, but it is most prevalent within the top inch or so. Decomposition of the thatch/mat layer, temperature fluctuations and wet/dry cycles all contribute to the creation of a layer across the entire turf area that can prove difficult for water to penetrate. Poor initial penetration leaves water at the surface where it is more likely to evaporate.

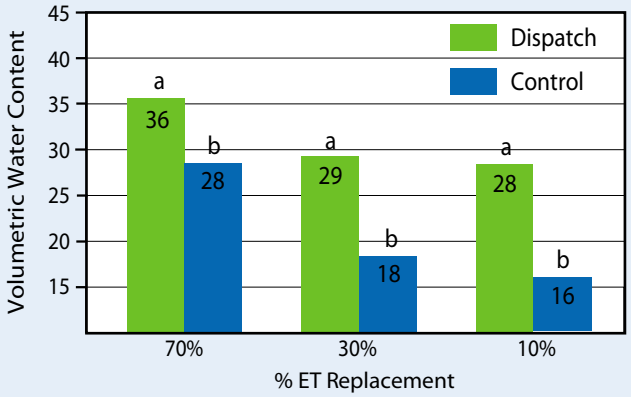
On sloping areas such as mounds and hillsides runoff also becomes an issue. Without sufficient moisture the higher areas dry out quickly and will need additional irrigation. Runoff collects in lower areas creating wet spots that encourage disease.

Dispatch helps you bridge the gap between getting water to the soil and in the soil. It combats water repellency at the soil surface and in the thatch/mat layer, ensuring that water penetrates quickly where it lands. You'll get more consistent playing conditions and uniform visual appearance from tee to green.

Improves Turf Quality at Reduced ET

A replicated study at the Center for Turf irrigation and Landscpae Technology at CalPoly University shows that Dispatch maintains higher volumetric water content in the soil even at significantly reduced ET placement. Plots were irrigated at 100% for the first month, and reduced to 70%, 30% and 10% ET respectively each month following.

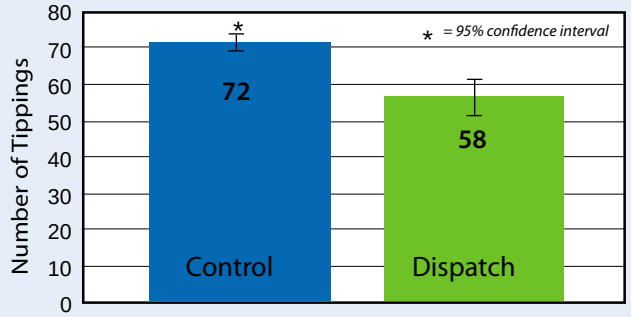
Dispatch Maintains Turf at Reduced ET Replacement
(CalPoly University, Pomona, 2003)



Reduces Runoff and Waste

Dispatch gets water through the thatch layer and into the soil, reducing the amount lost to runoff on sloped surfaces. In a replicated study conducted at Ohio State University, a creeping bentgrass turf areas was constructed at a 4% slope and maintained at average fairway height. Runoff was collected and measured at the downslope end of each plot. Dispatch reduced runoff by 19.2% when compared to the untreated control.

Dispatch Reduces Runoff
(Ohio State University, Wooster, 2004)



Dispatch reduces water lost to runoff by nearly 20%.

Dispatch helps you get the most out of what you put in.

Dispatch does more than just move water. It increases the penetration and retention of nitrogen and other turf products in the rootzone as well. This increased availability yields better overall utilization by the turf plant, for healthier, more uniform turf growth and appearance.

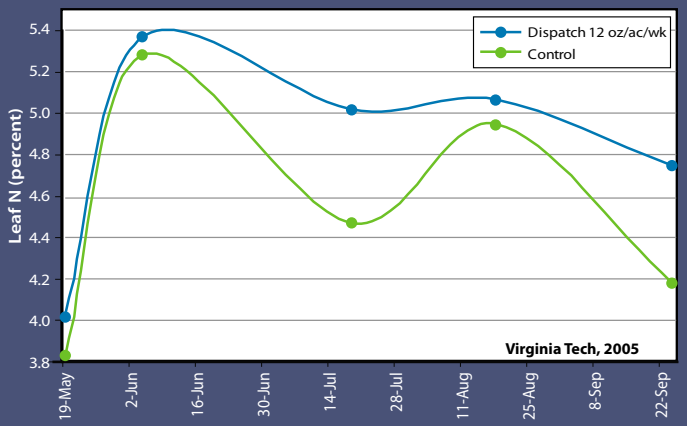
- Increases nitrogen retention in the rootzone
- Ensures more applied fertilizer is plant available
- Reduces potential leaching of nitrates
- Improves turf color and uniformity coursewide

With the high cost of fertilizer, you need to get your money's worth out of fertilizer treatments. Dispatch' s proven ability to reduce run-off gets more into the ground maximize the return on your fertilizer investment.

Dispatch is the only patented penetrant proven to reduce run-off, minimize waste of water and fertilizer, and increase nitrogen efficiency in the rootzone.

Improves Nitrogen Efficiency

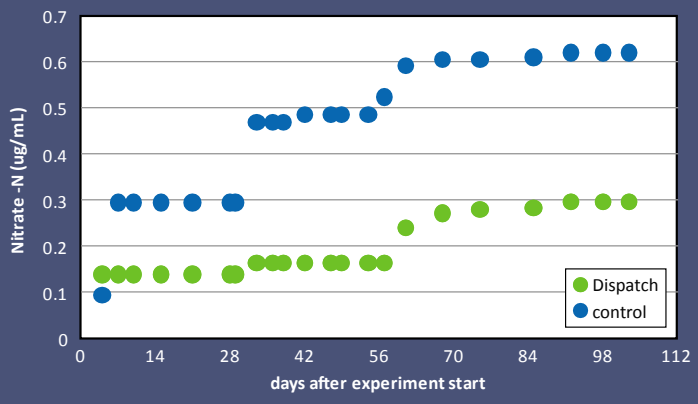
Studies at Virginia Tech show that leaf nitrogen was significantly greater (P = 0.05) in Dispatch treated plots on four of five measurement dates.



Significantly Decreases Nitrate Leaching

A 2010 study conducted at Auburn University in Alabama (2010) showed that Distpatch significantly reduced leachate nitrate. The reduction was noted both on individual leachate collection dates, and in the total nitrate leached during the course of the study.

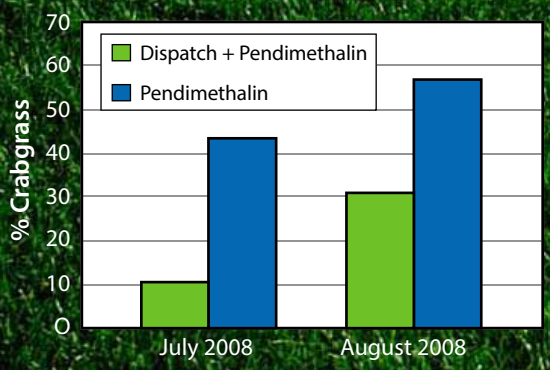
Cumulative nitrate (ug/mL) in leachate as affected by spray treatment
(Auburn University, 2010)

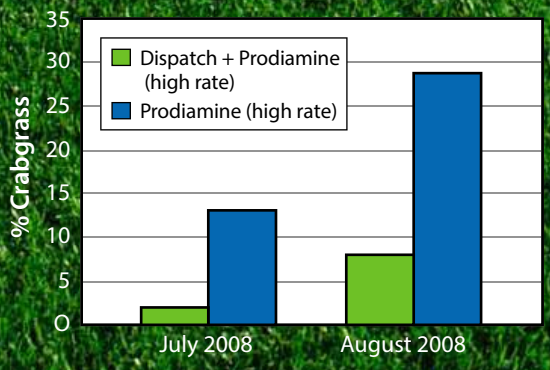


Dispatch increases the efficacy of your spray programs.

Improves Herbicide Delivery

Dispatch ensures infiltration and distribution of herbicides unifomly across the soil for better performance and weed control. Research studies conducted two consecutive years show that Dispatch Sprayable tank-mixed with pendimethalin or prodiamine provides better crabgrass control than herbicides alone.

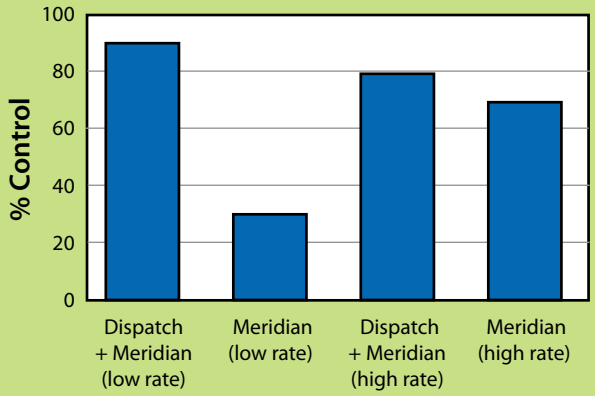




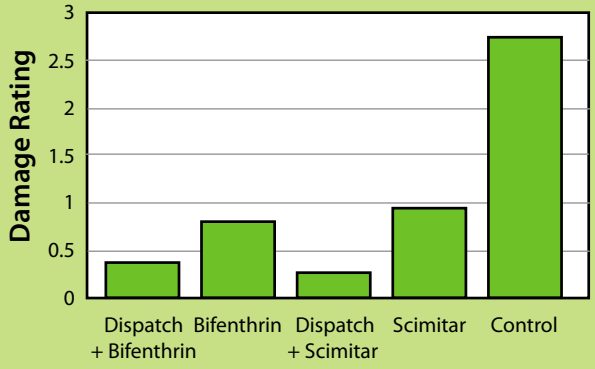
Enhances Insecticide Performance

Dispatch provides more effective placement of insecticide applications. By maximizing penetration, it moves the insecticide down throguh organic matter and into the soil where it needs to be. Adding Dispatch to your insecticide program allows you to use lower rates without sacrificing product performance.

Dispatch Sprayable can be safely tank mixed with liquid insecticide applications or sprayed after a granular insecticide application before it is watered in.



Research conducted at Penn State University in 2007 by Dr. Michael Fidanza showed that Dispatch with Meridian provides improved grub control.



Research conducted at NCSA in 2007 by Dr. Rick Brandenburg, showed that Dispatch enhanced insecticide performance against mole crickets.

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Application Rates

Inject Dispatch Injectable through the irrigation system at 12-24 oz per acre (1-2 L per hectare) weekly.

Dispatch Sprayable can be tank mixed with most turf management products and sprayed weekly at 8 oz per acre (0.58 liters per hectare), every two weeks at 16 oz per acre (1.16 liters per hectare), or every three weeks at 24 oz per acre (1.75 liters per hectare).

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