

Introducing the First Complete Line of Potassium Nitrate-Based Turf Products.

Supported by Research

You've read the studies. A desirable ratio of potassium and nitrogen makes stronger turf requiring less maintenance. You know this is a higher ratio of potassium to nitrogen than you're applying now.

Controlled-Release: the Key

But what choice have you had? Controlled-release materials are the basis of advanced turfgrass fertility programs. And until recently, controlled-release potassium nitrate has not been available.

Now K-Power's MultiCote® controlled-release coating allows you to apply the benefits of potassium nitrate-based fertilization across your entire program: Greens Grade, Fairways, even Combination products.

K-Power® Builds Stronger Turf



K-Power's potassium helps turf plants better regulate water levels in their tissue and increase cell wall thickness. The plant is better able to resist temperature and drought stress as well as fungus and insect attacks. Without costly chemical treatments.

Stiffer leaves support the



golf ball for better shot-making. Even if you mow a little higher. Clippings are reduced because K-Power's desirable ratio of potassium to nitrogen reduces the rate of leaf growth.

And the low salt index of chlorine-free K-Power potassium nitrate makes it one of the safest turf fertilizers available.

Unique Formulas

The Greens Grade line includes the only ammoniated homogenous products that combine the benefits of methylene urea and potassium nitrate.

The Fairway Blends provide a unique 50/50 ratio of controlled-release nitrogen to controlled-release potassium. For the growth and green-up you need. When you need it.

Trial Programs

Contact your distributor for more information on K-Power and the world's most perfect trial program. Or call us at 1-800-227-2798.



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(It's about time.)



IN NEW JERSEY'S "BROWN PATCH ALLEY... I'VE HAD GREAT SUCCESS WITH DACONIL 2787®."



*Tim McAvoy,
Superintendent,
Fox Hollow Golf Club
Somerville,
New Jersey*

"This part of New Jersey might be called 'Brown Patch Alley,'" exclaims Tim McAvoy, certified golf course superintendent at Fox Hollow Golf Club in Somerville, NJ. "The terrain, the soil, and the grasses we grow seem to make us more susceptible." Fortunately, Tim has found that Daconil 2787® Flowable Fungicide from ISK Biosciences Corporation "has a great ability to stop Brown patch every time."

Stops Dollar spot, too!

Fox Hollow's greens are bentgrass, Tim says, "and unfortunately, *Poa annua*." Recently renovated tees are 100% bentgrass, while the fairway grass is a combination of fescue, rye and *Poa*. That makes the fairways more susceptible, he believes, to Brown patch and Dollar spot.

"The fairways are where I use Daconil 2787 most," he says. "Starting in late June, I pretty much follow a 10- to 14-day preventive schedule for both diseases."

"We try to make good use of all the products and cultural practices available to us," Tim adds. "We use a slow-release urea-type fertilizer in

the spring and then little or no nitrogen until September. We watch the water so we're not exceptionally wet, and we dethatch and do some other things to keep the microclimate as cool as possible when the turf is under the most stress."

Tank mixing saves time.

Besides great Brown patch and Dollar spot control, superintendents get still another important benefit from Daconil 2787: "The flowable formulation is compatible with so many other products," says Tim, "I can tank-mix and knock out two or three diseases. With so much acreage, tank mixing really helps me stay within my personnel budget."

And with Daconil 2787 as the cornerstone of Tim's disease-control program, he doesn't have to worry about disease resistance, either: "As far as Daconil 2787 is concerned, I don't think there's ever been a documented case of resistance. I've always had great success with Daconil 2787."

Have you got a Daconil 2787 success story? Tell us about it. If we use your story in an ad, we'll donate \$100 to your favorite charity. Write Jackie Tengler, ISK Biosciences Success Stories, 5885 Landerbrook Dr., Suite 215, Cleveland, OH 44124.

Always follow label directions carefully when using turf and ornamentals plant protection products. © Registered trademark of ISK Biosciences Corporation.

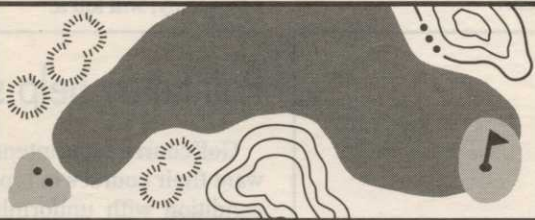


**The cornerstone of your
turf management program.**

CIRCLE #109



GOLF COURSE



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Advanced Applicator is a Cost-Effective Solution for Spot Treatment.

The Pro-Ap™ is the only hose-end, liquid siphoning applicator specifically designed for golf course use. The refillable Pro-Ap container holds one quart of Hydro-Wet RTA, the "Ready-To-Apply" wetting agent formula.

Hydro-Wet RTA alters water's behavior while interacting with water repellent surfaces found in the soil. The superior ingredients in

Hydro-Wet RTA are attracted to organic soil coatings known to produce hydrophobic conditions. The result is increased water infiltration, absorption, and reduced severity of localized dry spot.

The Pro-Ap makes accuracy easy. Its adjustable metering dial lets the applicator choose nine additive settings or syringe only. And there's no need to water-in because the

Pro-Ap's needle valve meters just the right amount of Hydro-Wet into the water flow.

For more information on the Pro-Ap application system, circle the number below, or call Kalo, Inc., toll-free: 1-800-255-5196.



Convenient, cost-effective Pro-Ap delivers consistent, measured quantities of Hydro-Wet RTA—treats 1,000 sq. ft. in less than one minute.

CIRCLE #144

Simple Test Identifies Hydrophobic Soils.

It is nearly impossible to visually identify hydrophobic soils, but there are several simple tests for determining their presence. The following was included in a 1989 article by Keith Karnok and Kevin Tucker of the University of Georgia.

"This test . . . simply involves the placement of small drops of water along the length of intact soil cores at

1/2 inch intervals. The length of time (seconds required for the droplet to penetrate into the core) is recorded. Penetration times greater than 10 to 15 seconds usually indicate a hydrophobic condition."

(The average water droplet penetration times from healthy areas is usually less than 3 seconds.)

Golf Course Management, August 1989.

CIRCLE #145



Hydro-Wet RTA is the proven turf wetting agent formulated for application with the Pro-Ap hose-end applicator.

Getting the Drop on Localized Dry Spot.

In mid-summer, golf courses turn into battle grounds as superintendents fight to maintain those lush fairways and greens. The battle heats up even more when you have to deal with increased traffic, changing attitudes toward the use of chemicals and restrictions on water use.

One of the scars of this battle is localized dry spot (LDS). What is most perplexing is that LDS symptoms may occur even after normal irrigation.¹

LDS is most prevalent on greens built mainly of sand and established to bentgrass. It's caused by fungi which leave a non-organic coating on sand particles. Once soil moisture levels begin to decrease, water runs off the turf, leaving the soil dry and powdery. This hydrophobic condition makes rewetting

difficult. If left untreated, LDS can result in turfgrass death.²

Short and long term management practices to minimize the severity of localized dry spots include: syringing, coring and the use of wetting agents.² Wetting agents can reduce LDS by improving the ability of water to bond with these sand and soil particles. They can also increase the wettability of thatch.³ Preventive applications give the best results, but curative applications can also be effective.

¹Karnok, Keith and Tucker, Kevin (University of Georgia), "The Cause And Control Of Localized Dry Spots On Bentgrass Greens," *Golf Course Management*, August 1989.

²Danneberger, Karl, PhD (Ohio State University—Columbus), "Those summertime blues: Localized dry spots," *Grounds Maintenance*, May 1987.

³Carrow, Robert, PhD (University of Georgia), "Understanding Wetting Agents," *Golf Course Management*, June 1989.

CIRCLE #146

Cure Dry Spots.

Call Kalo now at 1-800-255-5196 to find out how you can qualify for a free Pro-Ap* applicator with the purchase of Hydro-Wet RTA.

Hydro-Wet®
Keeps Water in Its Place.

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*\$89.95 commercial value. Subject to distributor participation.

CIRCLE #147



For mowing performance features, nothing else can make this cut.

Superior greens start with superior greens mower features. And the all-new Greens King® 422 is loaded with them.

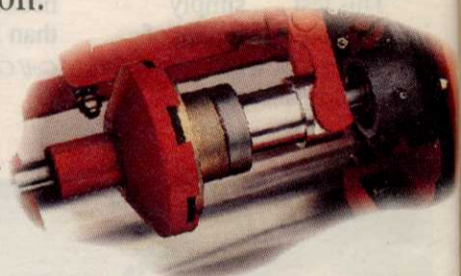
Exceptional side-to-side, front-to-rear balance and a more compact roller base help accentuate your greens' details, rather than your mower's limitations.

Our new 11-blade, electronically balanced reel delivers an unbelievably smooth cut, even down to 5/64." Plus, our exclusive Turf Groomer® option simply produces faster, truer, healthier greens than any imitator.

Clutch performer.

No other walking greens mower can touch the 422 for reliability. Our all-new clutch has been tested out to the equivalent of 70 years of operation, without any adjustment or lubrication.

The same eye for quality extends throughout this unique machine—from our space-age, long-life bearings and



bushings, to the most durable drive belts made, to the powerful, high-efficiency 4-hp, 4-cycle OHV Honda engine.

With features like drop out drive drum, reel and bedknife, and easy, slide-apart traction roller with built-in differential, the Greens King 422 cuts maintenance time as neatly as it cuts grass.

See for yourself why it's a whole new ballgame, ask your Jacobsen distributor for a complete demonstration.

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CIRCLE #140

IT'S A WHOLE NEW BALLGAME.