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They know that nitrogen is crucial to effectively manage turf and ornamentals and that the fine tuned, controlled release mechanisms in Nitroform and Nutralene give plants the nitrogen they require *when* they require it, season long.

Nitroform and Nutralene are the blenders choice because of these many benefits:

- Growth is sustained and controlled, properly balanced between roots and top growth.
- No growth flushes after heavy rains or due to granule breakage during handling or application.
- Stronger plants resist damage from diseases, weeds, insects, drought and traffic.
- Vigorous, controlled growth and color with fewer grass clippings.
- Non-burning.
- Excess nitrogen does not find its way into ground and surface waters.

The next time you buy fertilizer, remember to look for blends that display the original Nitroform or Nutralene logo, it's your assurance of quality nitrogen. For the name of a blender in your region contact us at 1-888-370-1874.



Nu-Gro Technologies, Inc. 2680 Horizon Drive SE, Suite F5, Grand Rapids, MI 49546
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Seed Availability at a Glance

Adequate and stable. Those are the two words that best describe the availability and price of most cultivars of bentgrass for golf courses. Several bermudagrass cultivars also have adequate supplies and stable costs.

Overall, the turf seed industry is making headway in matching supply with demand. The chart below provides availability and price information of cultivars for bentgrass, bermudagrass, Kentucky bluegrass, fine fescue, tall fescue and perennial ryegrass.

Turfgrass gurus maintain optimism for seed availability in

the months ahead, even with dry weather in some areas and drenchings in others.

The majority of seeds are in the normal availability zone paired with stable prices. Several new cultivars have been introduced.

For performance results on each variety in your area, review National Turfgrass Evaluation data at www.ntep.org.

KEY (AVAILABILITY):

A = expected surplus;
B = adequate supply;
C = limited supply.

KEY (PRICE):

H = higher price than last season
S = stable, equal to last season
L = lower prices than last season

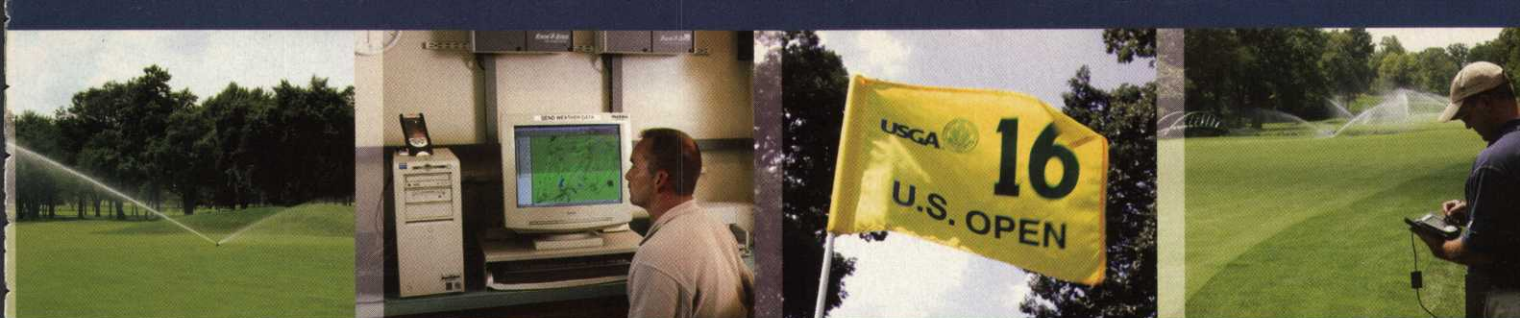
CULTIVAR	MARKETER	AVAILABILITY	PRICE
Bentgrass			
A-1 Creeping	Turf-Seed	B	S
Alister Colonial	Turf-Seed	B	S
Bardot Colonial	Barenbrug USA	B	S
Backspin	Turf Merchants	A	S
Bengal	Barenbrug USA	B	S
Beyond	Jacklin	B	S
Brighton	Seed Research of Oregon	B	S
Cato	Pickseed West	B	S
Certified Streaker	Jacklin	B	S
Golfstar (noncreeping)	Jacklin/Turf-Seed	B	S
Glory Colonial	Turf-Seed	B	S
Grand Prix	LESCO	B	S
L-93	Jacklin	B	S
Mini-Verde	Turfgrass America	B	S
Penn A-4	Tee-2-Green	B	S
Penneagle	Tee-2-Green	B	S
PLS	Jacklin	B	S
Penncross	Tee-2-Green	B	S
Providence	Seed Research of Oregon	B	S
Princeville	LESCO	B	S
Putter	Jacklin	B	S
Regent	Barenbrug USA	B	S
Southshore	Jacklin	B	S
SR 1119	Seed Research of Oregon	B	S
T1	Jacklin	C	New
T2	Jacklin	C	New
Tiger II	DLF International	C	S
Trueline	Turf Merchants	B	S
Vesper Velvet	TurfOne	C	S
Viper	DLF International	B	L
Bermudagrass			
GN-1	Turfgrass America	B	S
Jackpot	Jacklin	C	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
LaPrima	Seed Research of Oregon	B	S
Mirage	DLF International	B	L
Mohawk	Pennington Seed	B	S
Princess-77	Pennington Seed	B	S
Pyramid	DLF International	C	S
Riviera	Johnston Seed	C	H
Sahara	Pennington Seed	B	S
Southern Star	Jacklin	B	S
SR 9554	Seed Research of Oregon	B	S
Sundevil II	Jacklin	C	S
Sundance II	LESCO	B	S
Sunstar	LESCO	B	S
Sydney	Pennington Seed	B	S
Transcontinental	Turf Merchants	B	S
TifDwarf	Turfgrass America	B	S
TifEagle	Turfgrass America	B	S
TifSport	Turfgrass America	B	S
Wrangler Bermuda	Johnston	C	S
Yukon	Johnston/Seed Research Ore.	B	S

Kentucky Bluegrass

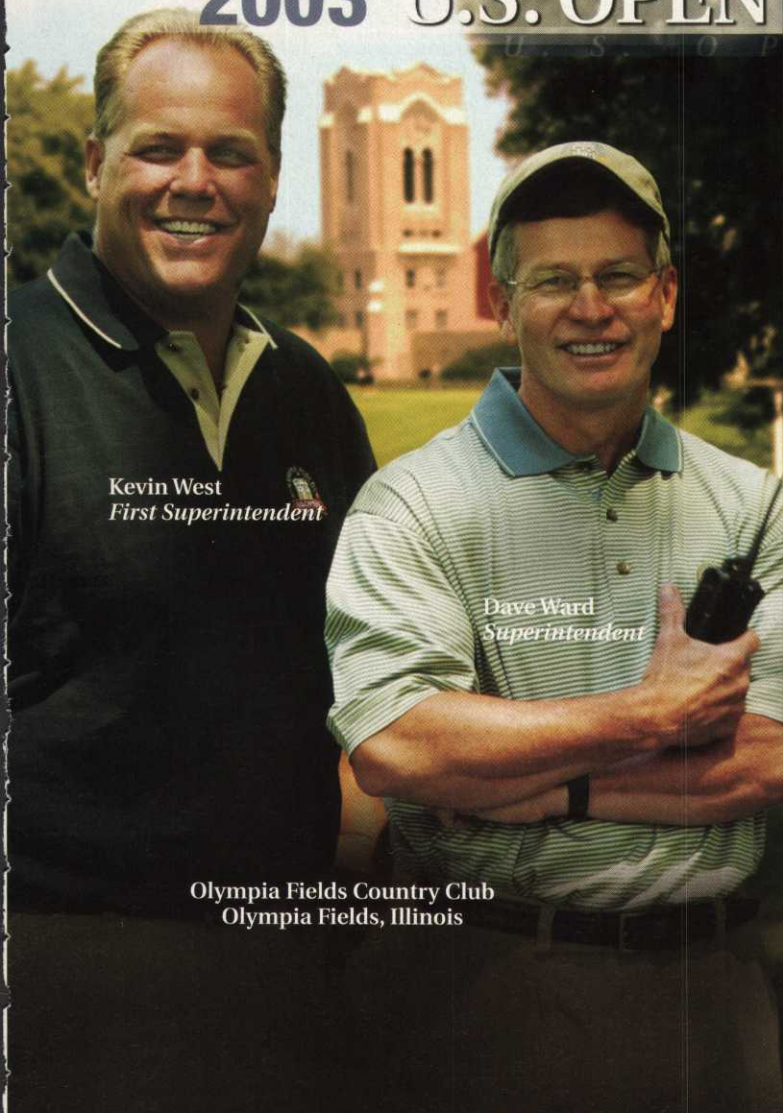
Absolute	Jacklin/Graham/Pro Gardner	C	S
Alexa	ProSeeds	B	H
Apollo	Scotts/Proseed/Landmark	B-	H
Arcadia	Seed Research of Oregon	B	S
Ascot	Scotts/Landmark	A	H
Award	Jacklin	B	S
Barcelona	Barenbrug USA	B	S
Bariris	Barenbrug USA	C	S
Baritone	Barenbrug USA	B	S
Baron	Barenbrug USA	B	S
Baronette	Barenbrug USA	B	S
Baronie	Barenbrug USA	B	S
Barrister	Barenbrug USA	B	S
Bartitia	Barenbrug USA	B	S

Continued on page 74



On course at the

2003 U.S. OPEN



Kevin West
First Superintendent

Dave Ward
Superintendent

Olympia Fields Country Club
Olympia Fields, Illinois

According to Dave Ward, superintendent at Olympia Fields—the number 24 ranked course by *Golf Digest*, installation of the Rain Bird® Cirrus™ Central Control System paid dividends last year alone when the course didn't see one decent rain from June through September.

"Having a control system do exactly what you want really benefits you during a drought. The course looks very healthy and green. The greens and the roughs are thriving. Having full coverage in your roughs really makes a difference in appearance."

Kevin West, first superintendent at Olympia Fields, says the system's flexibility is a key advantage.

"It's easier to micro-manage irrigation on the entire course, because the Rain Bird system is so flexible. We don't need to shut down entire areas or blanket water because zones don't get too wet or too dry. We only apply the amount of water needed, no more, no less."

The decision to install centralized control demonstrates that Olympia Fields shares Rain Bird's commitment to *The Intelligent Use of Water.*"



For information about how all Rain Bird Golf irrigation products work to manage and conserve water, click on www.rainbird.com/golf. For a hands-on demonstration, contact your Rain Bird Golf Distributor.

RAIN BIRD®

Seed Availability Guide

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CULTIVAR	MARKETER	AVAILABILITY	PRICE
Beyond	Jacklin/Cisco/United/ Seedway/Ontario	B	S
Bedazzled	Turf Merchants	C	S
Blackstone	Scotts/Landmark	A	H
Bluechip	Jacklin	B	S
Blue Knight	DLF International	B	S
Blue Moon	Jacklin	C	H
Blue Star	Pennington	C	S
Bordeaux	Lebanon Seaboard	B	S
Boutique	Turf Merchants	B	S
Brilliant	Turf-Seed	B	S
Broadway	DLF International	B	S
Brooklawn	Turf Merchants	A	S
Buckingham	Scotts/Landmark	A	H
Cabernet	Lebanon Seaboard	B	S
Caliber	Jacklin	C	S
Champagne	Lebanon Seaboard	B	S
Chateau	Pennington/Scotts/Landmark	C	H
Chicago II	Jacklin/National	C	S
Courtyard	Scotts/Landmark	C	New
Coventry	Scotts/Landmark	B	H
DEEPBLUE	Jonathan Green	C	H
Dragon	ProSeeds	A	H
Envieta	Scotts/Landmark	A	H
Famous	ProSeeds	C	H
Freedom III	Jacklin/National	C	New
Haga	Burlingham/ProSeeds	C	S
Hallmark	LESCO	B	S
Ginney	ProSeeds	B	H
Goldrush	Scotts/Landmark	A	H
Impact	Jacklin/LESCO/Newsom/Cisco/ Graham/Sierra/Pacific/Evergro	C	S
Jefferson	Jonathan Green/Scotts/Landmark	A	H
Kenblue	Jacklin	C	H
Lakeshore	LESCO	B	S
Langara	Pickseed West	B	S
Liberator	Jacklin	B	S
Locksaw	Jacklin	C	H
Mallard	Pennington	C	S
Mercury	Pickseed West	C	New
Merit	Harvest States	B	S
Midnight	Pennington/Scotts/Landmark	A	H
Midnight II	Turf-Seed	B	S
Monte Carlo	Pennington	C	S
Moonshadow	Pickseed West	B	S
Nassau	Jacklin	B	L
Newport	Jacklin	C	H
NuBlue	Jacklin	B	S
NuDestiny	Jacklin	C	S
NuGlade	Jacklin	B	S
North Star	Turfgrass America	B	S

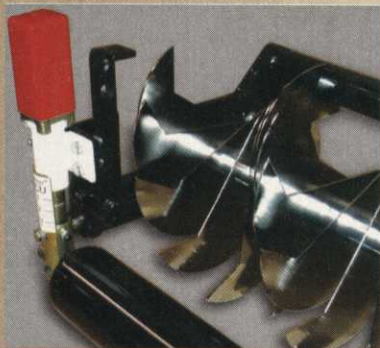
CULTIVAR	MARKETER	AVAILABILITY	PRICE
P-105	ProSeeds	B	H
Park	Jacklin	C	H
Preakness	ProSeeds	C	H
Quantum Leap	TurfOne	A	H
Rambo	Jacklin/ProSeeds	B	S
Raven	Scotts/Landmark	A	H
Rhythm	DLF International	C	New
Rugby II	Jacklin	B	S
Serene	Scotts/Landmark	B	H
Showcase	Seed Research of Oregon	C	S
SR 2284	Seed Research of Oregon	B	S
Thermal Blue	Scotts/Landmark	C	New
Total Eclipse	Jacklin	B	L
Tsunami	Jacklin	C	S
Washington	Scotts/Landmark/ Jonathan Green	A	H
Fine Fescue			
Ambassador Chewings	Lebanon Seaboard	B	S
Aruba Creeping Red	Jacklin	B	S
Audobon	Jacklin	C	New
Azay Blue Sheeps	Pickseed West	C	New
Badger Creeper	Scotts/Landmark	A	S
Barok Sheep	Barenbrug USA	C	H
Berkshire Hard	Scotts/Landmark	A	S
Big Horn Blue Hard	Turf-Seed	B	S
Bridgeport Chewings	Barenbrug USA	B	S
Brittany Chewings	LESCO	B	S
Celestial	Turf Merchants	C	S
CindyLou	DLF International	B	H
Defiant Hard	LESCO	C	S
Discover Hard	Turf-Seed	B	S
Ecostar	Jacklin	B	S
Edgewood	Burlingham	C	S
Eureka II	DLF International	B	S
Hardtop Hard	Barenbrug USA	B	S
Harpoon	Jonathan Green	C	S
Houndog 5	DLF International	C	H
Ecostar (hard)	Jacklin	B	S
Intrigue	Turf Merchants	B	S
Jasper II	Pickseed West	B	S
Jamestown II	Jacklin	C	H
MX-86	Jacklin	B	S
Oxford	Lebanon Seaboard	B	S
Quatro Sheeps	DLF International	B	S
Pathfinder	Lebanon Seaboard	B	S
Reliant II	Jonathan Green	A	S
Rescue 911 (hard)	Jacklin	B	S
Ridu Hard	DLF International	B	H
Rose Chewings	DLF International	B	H
Shademark Creeping Red	LESCO	B	S
Silhouette Chewings	TurfOne/Seed Research of Oregon	B	S

Continued on page 76

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Web: www.nationalmower.com Email: sales@nationalmower.com

Seed Availability Guide

Continued from page 74

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Southport	Jonathan Green	A	S
Spartan Hard	TurfOne	B	S
SR 3200 Blue	Seed Research of Oregon	B	S
SR 5180	Seed Research of Oregon	G	S
SR 5210	Seed Research of Oregon	B	S
Tiffany	Turf-Seed	B	S
Treasure Chewings	Scotts/Landmark	C	S
Victory 2	Pickseed West	B	S
Wrigley Chewings	DLF International	B	H

Tall Fescue

Admiral	Burlingham	C	H
Alamo	Jacklin	B	H
Amigo	Jacklin	B	H
Arid II	Jacklin	B	H
Arid 3	Jacklin	B	H
Barlexas	Barenbrug USA	B	S
Barlexas II	Barenbrug USA	B	S
Barrera	Barenbrug USA	B	S
Barrington	Barenbrug USA	B	S
Biltmore	LESCO	B	S
Bingo	DLF International	B	H

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Black Magic	Jonathan Green	L	S
Black Watch	TurfOne	C	H
Brandy	ProSeeds	A	S
Bravo	LESCO	A	S
Bulldawg	ProSeeds	A	S
Cayenne	Pickseed West	C	New
Coronado Gold	Turf-Seed	B	S
Coyote	Scotts	C	H
Crew-Cut II	Seed Research of Oregon	B	H
Crossfire II	Pickseed West	B	L
Daytona	Burlingham	B	H
Defiance	Seed Research of Oregon	A	H
Divinci	Lebanon Seaboard	C	H
Durana	Pennington	B	S
Duster	Pennington	B	S
Dynasty	Pickseed West	B	L
Empress	ProSeeds	C	S
Endeavor	Turf-Seed	B	S
Falcon II	ProSeeds	A	S
Falcon III	ProSeeds	A	S
Fine Lawn Petite	ProSeeds	A	S
Focus	Turf Merchants	B	S

KEY (AVAILABILITY):

A = expected surplus;
B = adequate supply;
C = limited supply.

KEY (PRICE):

H = higher price than last season
S = stable, equal to last season
L = lower prices than last season



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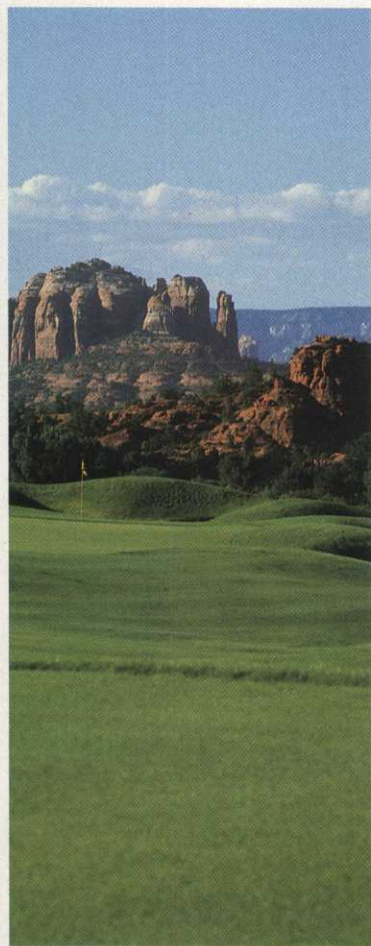
CULTIVAR	MARKETER	AVAILABILITY	PRICE
Gazelle	ProSeeds	A	S
Grande	Seed Research of Oregon	B	H
Greystone	Pennington	C	S
Guardian	TurfOne	C	H
Heritage	ProSeeds	A	S
Houndog 5	DLF International	C	H
Jaguar 3	Jacklin	B	L
Magellan	Burlingham/LESCO	C	H
Masterpiece	Lebanon Seaboard	B	H
Millennium	Turf Merchants	B	S
Olympic Gold	Turf-Seed	B	S
Onyx	Jonathan Green	C	S
Padre	LESCO	B	S
Palisades	ProSeeds	C	H
Phoenix	Barenbrug USA	B	S
Pixie	Jacklin	C	H
Plantation	Pennington	B	S
Quest	Jacklin	B	H
Rebel Exeda	Pennington	B	S
Rebel Sentry	Pennington	B	S
Rembrandt	Lebanon Seaboard	B	H
Reserve	Scotts/DLF International	A	H

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Santa Fe	Jonathan Green	C	S
2nd Millennium	Turf Merchants	B	S
Signia	Pennington	B	S
Southeast	Scotts/Landmark	C	H
Southern Comfort	DLF International	B	S
Star Fire	DLF International	C	H
Tempest	Burlingham	B	H
TF-66	Barenbrug USA	B	S
Tomcat	DLF International	C	H
Tracer	Barenbrug USA	B	S
Tulsa II	DLF International	C	H
Vegas	Barenbrug	C	S
Virtue	Pennington	B	S
WAF	Scotts/Landmark	C	New
Watchdog	TurfOne	A	H
Wildfire	DLF-Jenks	B	S
Wyatt	Scotts	A	S

Perennial Ryegrass

Accent	Jacklin	S	H
Admire	Jacklin	S	H
Affirmed	Lebanon Seaboard	B	H

Continued on page 78



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PGA Master Professional

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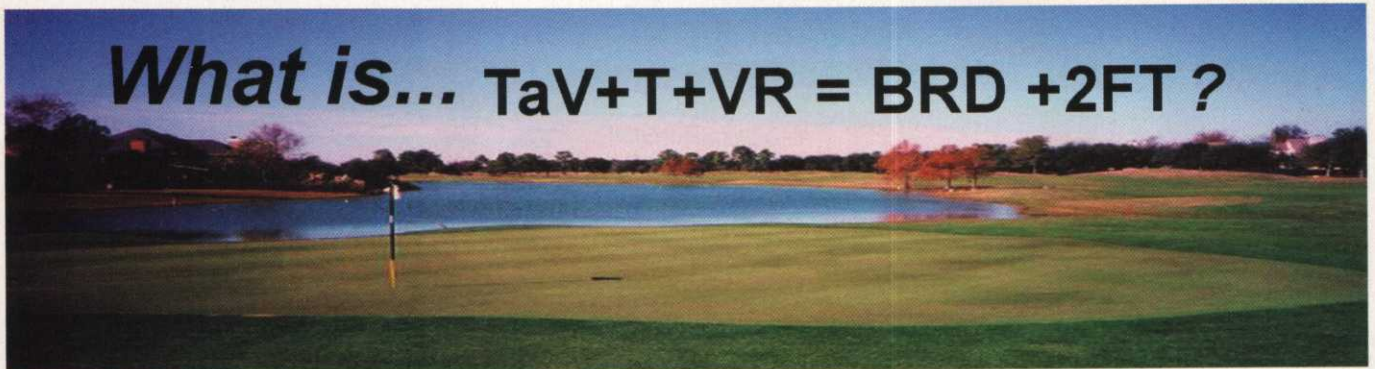
Seed Availability Guide

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CULTIVAR	MARKETER	AVAILABILITY	PRICE
Applaud	Pennington	P	H
A.S.A.P.	Jacklin	S	H
Barclay	Barenbrug USA	C	S
Barlennium	Barenbrug USA	C	H
Blazer 4	Pickseed West	C	New
Brightstar SLT	Turf-Seed	C	H
Caddieshack	Jacklin	B	H
Calypso II	TurfOne	C	H
Churchill	Lebanon Seaboard	B	H
Elfkin	DLF International	C	H
Esquire	DLF International	C	H
Exacta	Lebanon Seaboard	B	H
Extreme	Jacklin	B	H
Fiesta 3	Pickseed West	C	H
GoalKeeper	Jacklin	B	H
Hawkeye	Seed Research of Oregon	B	H
Icon	Burlingham	C	S
Inspire	Scotts/Landmark	C	H
Integra	Pennington	B	H
Jet	Pennington	B	H
Jockey	Jonathan Green	A	S
Keystone	DLF International	C	H

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Mach I	TurfOne	C	H
Majesty	Scotts	C	H
Monterey II	Jacklin	B	H
Pacesetter	LESCO	B+	H
Pace	Barenbrug USA	C	H
Palmer III	ProSeeds	C	H
Paragon	Turf Merchants	A	H
Peak	Barenbrug	C	H
Pennant II	ProSeeds	C	H
Pinnacle	Barenbrug USA	C	H
Pirouette	Barenbrug USA	C	H
Pizzazz	Turf Merchants	A	H
Plymouth	Jonathan Green	A	S
Prelude III	ProSeeds	C	H
Premiere II	Barenbrug USA	C	H
Quick Trans	Turf-Seed	C	H
Racer II	TurfOne	C	H
Salinas	Turf-Seed	C	H
SR 4220	Seed Research of Oregon	B	H
TopGun	Jacklin/Ontario	B	H
Top Hat	DLF International	C	H
Vixen	Burlingham	C	H

What is... $TaV+T+VR = BRD + 2FT ?$



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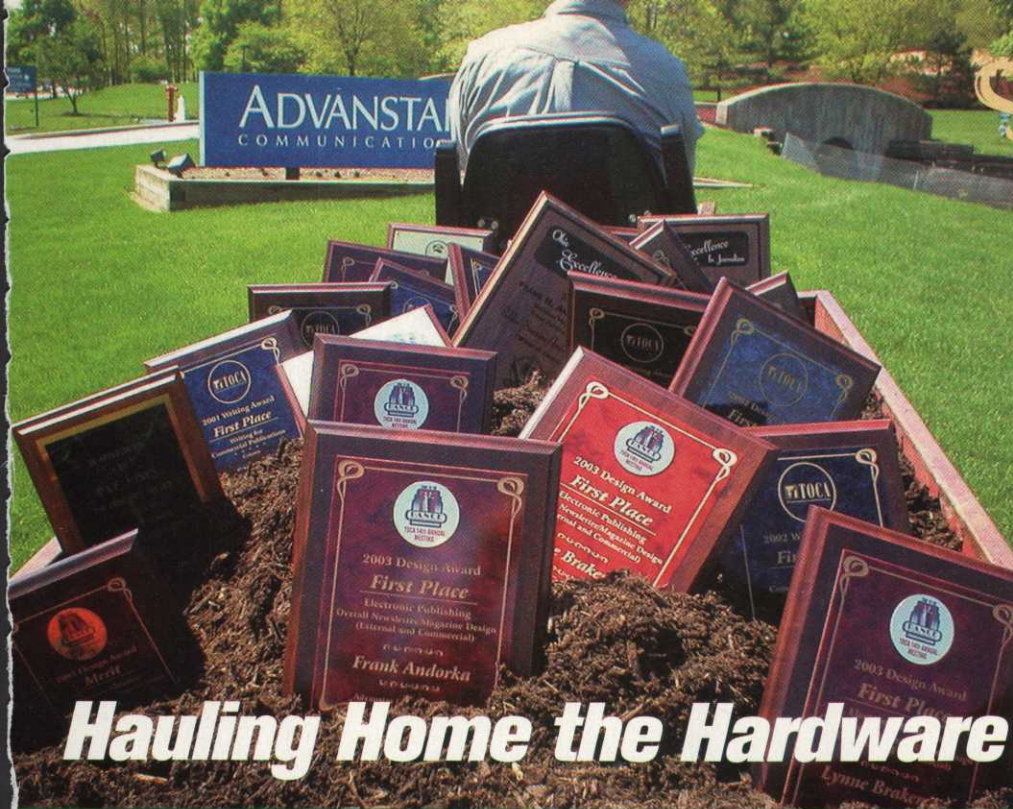
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Best Use of Photography - Printed Magazines

First Place

Carrie Parkhill, Landscape Management, *"Lawncare in Nowhere"*

Printed Magazines - Overall Magazine Design

Merit

Lisa Lehman/Kim Traum, Advanstar Communications, *"Golfdom"*

Writing For Commercial Publications, Column

First Place

Pat Jones, Golfdom, *"This Turf Disease Can Affect You"*

Merit

Jason Stahl, Landscape Management, *"Always Listen To Your Mom"*

Writing For Commercial Publications, Turf Feature Article

First Place

Larry Aylward, Golfdom, *"How The Other Half Lives"*

Merit

Larry Aylward, Golfdom, *"The Apple Doesn't Fall Far From The Tree"*

Writing for Commercial Publications, Business Management

Merit

Larry Aylward, Golfdom, *"The Politics of Water"*

Writing For Commercial Publications, Environmental Stewardship Article

First Place

Larry Aylward, Golfdom, *"Up a Tree and Loving It"*

Writing for electronic web site newsletters/magazines (external and commercial)

First Place

Pat Jones, Golfdom, *"To Move or Not to Move"*

Printed Magazines - Cover Page Design

Merit

Kim Traum and Dan Beedy, Advanstar Communications, *"The Golfdom Report"*

Printed Magazines - Two-Plus Page Design, Editorial

First Place

Kim Traum, Advanstar Communications, *"Welcome To Golf 2025"*

Merit

Kim Traum, Advanstar Communications, *"The Golfdom Report"*

Electronic Publishing - Overall Newsletter/Magazine Design, (internal and non-commercial)

First Place

Derek Miller, BASF, *"Growing Trends"* (and Lynne Brakeman, Advanstar, Jennifer Kempes, The Dudnyk Agency)

Electronic Publishing - Overall Newsletter/Magazine Design, (external and commercial)

First Place

TIE: Lynne Brakeman, Advanstar, *"Landscape Management.net"*

TIE: Lynne Brakeman, Advanstar, *"Golfdom.com"*

Merit

Lynne Brakeman, Advanstar, *"Landscape Management Week in Review"*

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Is there a topic more overlooked (and overcooked) than late-season fertilization? It's kind of like flossing your teeth. You know you have to do it, and many times you get the job done. But if you find other things to do on the course, there's no harm and no foul if you don't fertilize.

If you think this way, you couldn't be more wrong.

OK, some of you reading this don't exactly have a late season. You might be facing overseeding or just a change of season. If you are overseeding, then you probably are looking at your "season" beginning when many parts of the country are planning their Christmas vacations.

In the Northern climates, the end game can be about guessing when the ground freezes or when those first snows might come. But for the most part you know when you are done growing grass.

In any climate, fall is a time of change. If you can't feel that change in your bones and in the position of the sun in the sky, then I suggest you need therapy.

Fall represents the best time to line up the agronomic stars. You get to take a breath from summer, and reflect on what was good and what went wrong. Careful analysis of your spring and summer should lead you to a series of decisions.

Fall is the time to take some action and bank yourself some relief points for next summer. Here's where I think turfheads tend to lose the plot, because they don't often take a serious direction based on what happened last summer.

If it has been a particularly trying summer, superintendents tend to just want to move on. The problem is that your turfgrass system has a memory, and the grass plant is now saddled with two key issues: one, heal up from summer's hassles; and two, prepare for the coming winter.

If you don't steer this ship, then one or both of those key areas don't get covered to the dissatisfaction of the turf. So the point is, doing the same thing each and every year just because you flipped the page on your fertilization calendar, is preparing to fail.

Paying Heed to Fall Fertilization

BY DAVE WILBER



FALL REPRESENTS
THE BEST TIME TO
LINE UP THE
AGRONOMIC STARS

Here's my checklist of action items for fall fertility planning. It's more of an If/Then question list thing — like a good diagnosis key.

1. Corrective treatment — Do my fall soil tests (you did get your soil tests done, right?) show any unusual or abnormal conditions that need attention? If yes, take action and make the corrections. If no, move on. If you don't know, shame on you.

2. Environmental stress — Was this year abnormally hot or cold or wet? If yes, do whatever it takes to enhance your plant's physiology and carbohydrate reserves. If no, don't kid yourself. Something is always different.

3. New children — Did you build anything new or rebuild something old? If yes, help those areas catch up and supply plant food and mineral nutrients. If no, count your blessings!

4. Last spring — Did the golf course come out of winter as you expected? If yes, make sure your expectations are high enough. If no, can you identify anything you did or did not do to help out?

5. Test plots — What did last year's semi-formal test plots tell you about other techniques and ideas for late-season fertility? What, no test plots? Again, shame on you. Comparative analysis is critical. What works for others may or may not work for you, and you'll never know where you stand if you don't study.

In conclusion, what you apply now and what you study now could be the key to being a turfgrass hero next summer. The best superintendents I know make this time a time of possibility by knowing what their possibilities are.

Dave Wilber is a Sacramento, Calif.-based independent agronomist who's in the field daily.