

Real-Life Solutions

in the summer," he says. "We want to be sure that the herbicides we use will not adversely affect our new spring growth. We want our grasses well established before the normal stresses of the summer build."

The solution

During the spring prior to the first tournament in 1996, Wilson investigated several herbicides. To allow freshly seeded grasses to grow, it was necessary to delay using pre-emergent herbicides until late May.

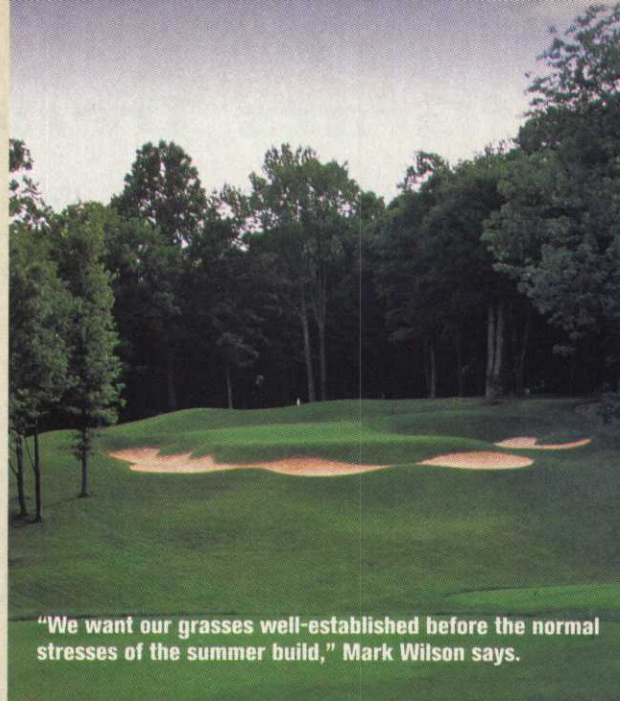
One of the products Wilson evaluated was Dimension herbicide (dithiopyr), which is labeled for pre- and

post-emergent crabgrass control. Wilson split the Dimension herbicide applications to capitalize on its pre- and post-emergent activity and further extend its residual control.

The first application went down in late May, followed by a second application in early June.

Outcome

"Following the split applications, the course remained crabgrass- and goosegrass-free for the full season, and we did not experience any phytotoxicity, even on the newly sodded or reseeded areas," Wilson says. "We applied Dimension at half-label



"We want our grasses well-established before the normal stresses of the summer build," Mark Wilson says.

rates in late May, and then again the first week of June. We apply the product this way each year after we reseed or resod in the spring."

Wilson says the course hasn't experienced any weed

invasions since he began using the herbicide.

"Because so many people around the world watch the play at a major event, we had to be sure our course was in pristine shape," he adds. ■

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- 06 55 Other Golf Courses (please specify) _____
- 07 60 Golf Course Architect
- 08 70 Golf Course Developer
- 09 90 Golf Course Builder
- 10 105 University/College
- 11 100 Others Allied to the Field (please specify) _____

2. Which of the following best describes your title? (fill in ONE only)

- 12 10 Golf Course Superintendent
- 13 15 Assistant Superintendent
- 14 20 Owner or Management Company Executive
- 15 30 General Manager
- 16 35 Director of Golf
- 17 70 Green Chairman
- 18 45 Club President
- 19 75 Builder/Developer
- 20 55 Architect/Engineer
- 21 60 Research Professional
- 22 65 Other Titled Personnel (please specify) _____

3. What is your facility's annual maintenance budget?

- 23 A More than \$2 Million
- 24 B \$1,000,001-\$2 Million
- 25 C \$750,001-\$1 Million
- 26 D \$500,001-\$750,000
- 27 E \$300,001-\$500,000
- 28 F \$150,001-\$300,000
- 29 G Less than \$150,000

4. If you work for a golf course, how many holes are on your course?

- 30 A 9
- 31 B 18
- 32 C 27
- 33 D 36+
- 34 E Other (please specify) _____

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103	115	127	139	151	163	175	187	199	211	223	235	247	259	271	283	295	307
104	116	128	140	152	164	176	188	200	212	224	236	248	260	272	284	296	308
105	117	129	141	153	165	177	189	201	213	225	237	249	261	273	285	297	309
106	118	130	142	154	166	178	190	202	214	226	238	250	262	274	286	298	310
107	119	131	143	155	167	179	191	203	215	227	239	251	263	275	287	299	311
108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312
109	121	133	145	157	169	181	193	205	217	229	241	253	265	277	289	301	313
110	122	134	146	158	170	182	194	206	218	230	242	254	266	278	290	302	314
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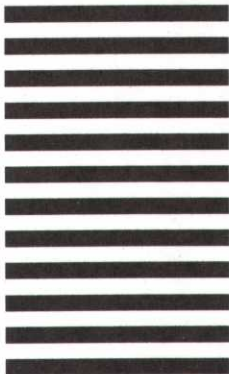
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107	119	131	143	155	167	179	191	203	215	227	239	251	263	275	287	299	311
108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312
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Tips

Tree Trimming

The Perfect Cut: Protect Tree Investments with Proper Pruning

Like Pebble Beach Golf Links with its wind and Muirfield Village GC with its narrow fairways, most golf courses can boast landscapes that provide golfers with specific challenges. But from coast to coast, one particular challenge is common to all courses — trees.

These living hazards can bedevil the game of even the best golfers. They add to the difficult play of a course, enticing golfers to try to beat the terrain. Trees are such an important part of courses that thousands of dollars are spent to install and maintain them.

“The best way for a superintendent to protect the hefty investment made in trees is to establish a routine maintenance program,” says Mark Jackson, golf account manager for The Davey Tree Expert Co. in Stow, Ohio. “In particular, pruning is essential to ensure the health and safety of trees. When done correctly, pruning can prevent accidents and prolong the life of your trees.”

Regular pruning is essential in maintaining tree health. It removes decaying branches, which are potential breeding sites for insects and disease. Pruning also helps prevent the spread of decay to healthy wood.

While preventing insect and disease infestations, pruning also helps ease the effects of harsh weather. Pruned trees allow heavy winds to blow through their canopies. By reducing wind resistance, pruning can stave off limb breaks, which can pose danger to courses and players.

Maintenance pruning of most shade trees can be done anytime. Severe pruning, however, should be done in late winter or early spring before

new growth begins. “Proper pruning can create good structural characteristics in a tree,” says Jackson, who served as a superintendent for 20 years before coming to Davey Tree.

Types of pruning

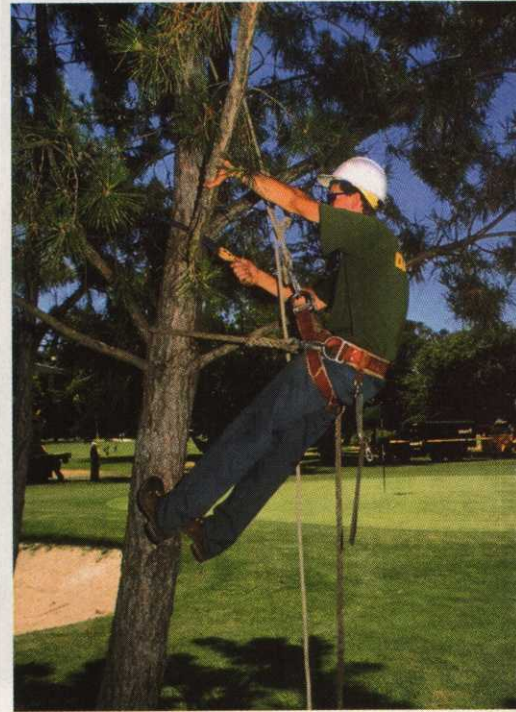
Proper pruning is also known as thinning, the method of removing branches at their point of attachment to the trunk or another branch of sufficient size. This eliminates unhealthy and unsightly stubs, resulting in an airy, natural appearance.

There are five general classes of pruning:

- **Aesthetic or fine pruning:** Undesirable branches that measure more than 1/2 inch in diameter are removed. This includes selective thinning to lessen wind resistance.
- **Maintenance or standard pruning:** Undesirable branches more than 1 inch in diameter are removed.
- **Hazard reduction pruning:** Recommended where safety considerations are paramount, this type calls for the removal of branches more than 2 inches in diameter.
- **Crown reduction pruning** (also known as natural or drop-crotch pruning): The height or the spread of the canopy is reduced to promote continued growth and health.
- **Crown raising:** Lower branches are removed in order to provide clearance.

Danger of topping

As much as trees are helped by pruning, they are equally hurt by the process known as topping, the indiscriminate removal of a tree's main branches. It is disfiguring and results in stubs.



Wounds caused by topping do not readily close and accelerate internal decay.

In addition, topping can starve a tree. By removing so much of the crown, an older tree's crown-to-root ratio is upset, which interferes with the plant's ability to manufacture sufficient food.

Topping is intended to control the height of the tree, but it has the opposite effect. The sprouts after topping are more numerous than natural new growth. In addition, they elongate so quickly that the tree returns to its original height in a short time. This creates a far more dense and dangerous crown.

“Trees are a necessary part of any course,” Jackson says. “Healthy trees translate into a healthy course, which appeals to everyone from golfers to superintendents.”

The author of this story, Jami Pfirmman, is a communications specialist at The Davey Tree Expert Co. in Stow, Ohio.

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PEOPLE ON THE MOVE

Edward "Ted" Horton resigned his position as vice president of resource management of the Pebble Beach Co. to start Ted Horton Consulting, a golf course consulting company in Canyon Lake, Calif.

GCSAA CEO **Steve Mona** was chosen by *Crittenden Golfinc* magazine as one of the "Most Dynamic Movers & Shakers" in the golf industry for 2000.

The following superintendents recently received their certification: **Thomas Addington**, The Club at Old Kinderhook, Camdenton, Mo.; **Candice M. Combs**, Balboa GC, San Diego; **Mark T. Franczek**, Indian Hills CC, Marietta, Ga.; **James Goins**, Hollybrook Golf and Tennis Club, Pembroke Pines, Fla.; **Gary A. Otto**, The Vineyard, Temecula, Calif.; **David Schlagetter**, Indian Hill Club, Winnetka, Ill.; and **Fred N. Taylor**, Mankato GC, Mankato, Minn.

Karsten Solheim, a pioneer in golf club design and instrumental in generating interest in women's professional golf, has been posthumously awarded the National Golf Foundation's Graffis Award for 2000.

Jeff Nus joins the USGA as manager of Green Section Research. Nus formerly worked for the GCSAA.

The Golf Course Builders Association of America elected **Fidel Garcia**



as it president elect. Garcia is vice president of Ryangolf, a golf course builder in Deerfield Beach, Fla. He will become president of the organization in February 2002.

The **Jack Lumpkin** family was named Golf Family of the Year by the National Golf Foundation.

The governing board of Responsible Industry for a Sound Environment named **Allen James** president of the specialty pesticide industry association. James had served as executive director of RISE since it was founded in 1991. In addition, the board elected two new members to a three-year term: **Dan Untied**, director of sales and marketing for McLaughlin Gormley King Co.; and **Bill Culpepper**, president of SePRO Corp.

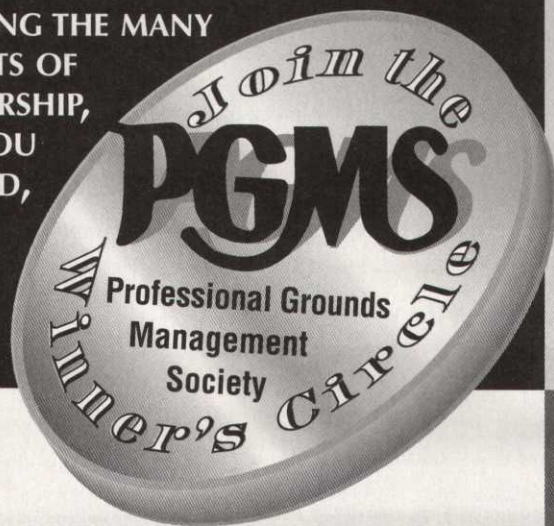
Textron Golf, Turf And Specialty Products announced the following changes in its sales and marketing organization: **Mike Aponas**, vice president of sales for the fleet and specialty vehicle products; **Barry Cook**, vice president of product development for vehicles, turf and professional lawn care products; **David Davis**, director of national accounts for fleet and turf product lines; **Tom Meier**, general manager

of Steiner/Brouwer; **Paul Pesci**, vice president of sales for the turf and professional lawn care products; **Bill Robson**, director of marketing for vehicles, turf and professional lawn care; **Mike Toomey**, vice president of customer service for vehicles, turf and professional lawn care; and **Steve Yolitz**, vice president of strategic planning and business development.

Angus Farquhar was named to the post of commercial secretary with the Royal and Ancient GC of St. Andrews. He was formerly assistant secretary.

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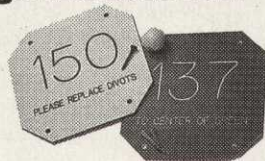
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