Likewise

Drive wheels to hug the ground. While a foot-operated differential lock kicks in still greater traction. And rest assured, when it comes to cutting performance, you've found mecca. The F735's 20.5-hp diesel engine has plenty of torque to cut through thick and thin. Enough to drive heavy-duty 48- and 54-inch decks, all the way up to the new (and unique) John Deere 60-inch-high-lift, seven-gauge stamped steel deck. Interested? Visit your local John Deere dealer (call 1-800-537-8233 to find one near you). See why John Deere has been an oasis of good ideas for the past 162 years.
"Unfortunately, insects are an ongoing problem, since both fire ants and mole crickets thrive here. The lighted fields seem to act like a magnet for mole crickets. We follow an aggressive IPM program for these pests."

**Maintenance scheduling**

The crew uses slice and core aeration as needed. They perform each up to three times a year. "We drag the cores back into the outfield turf and pick them up in the infield," says Chapman. "With our field profile, we need to balance stability and compaction. We'll bring the field almost to the saturation point and use the one-ton roller on the infield when conditions warrant it."

The crew overseeds the field's bermudagrass with a perennial rye grass blend in late October or early November. The rye grass starts phasing out in late March or early April. Reidy says, "The south Florida heat makes the transition back virtually trouble-free, with only a short period of uneven die out."

"The turf generally is mowed to a one-inch height, though they'll sometimes cut the infield down to 3/4 inch. A triplex reel mower is used in the outfield, and occasionally in the infield in a time crunch. Generally, a walk-behind reel mower is used for the infield."

"Mowing frequency is matched to turf growth. The crew gives Field #1 special attention, creating patterns, and whenever possible, double or triple mowing to get a more professional look."

**Field improvements**

Since the complex opened, the crew has installed Moundmaster bricks in front of the mound and in the batter's box to ease maintenance burdens. They've also topped the infield clay with a layer of crimson stone. The brick-like composite improves aesthetics, helps absorb water, and eases maintenance requirements. Most importantly, it meets with player approval.

The crew has also used a coarse form of crimson stone on the warning track to cut maintenance there.

**Field use**

As a public facility, field use is extensive. More than 30 leagues play on the field over the course of the year. The field use schedule spans 10 months, and includes up to 400 games. The fields are only closed to the public during August and January. This time is reserved for intensive maintenance procedures and special projects. It also brings a well-deserved rest for a #1 field that works as hard as its maintenance staff.

Bob Tracinski is business communications manager for John Deere in Raleigh, NC. He is public relations co-chair for the National STMA.
Find the professional references you need at the
adalfts guild

Feature of the Month:
Maintain It Easy (Keep It Safe),
by Grounds Maintenance Services
Learn from hundreds of instructional photos featuring all aspects of softball field groundskeeping. Explains: Lip reduction; setting of multiple bases and pitching plates; dragging equipment and patterns; base line options; unique complex ideas; dugout design; batting cage and hitting station; layout; water removal and much more. Unique field ideas from across the country. 4023 $37.00

The Mathematics of Turfgrass Maintenance,
2nd edition,
by Nick Christians and Michael L. Agnew,
This book provides you with basic mathematical principles of budgeting, fertilizer and pesticide application, the ordering of top-dressing, irrigation, and many other parts of golf course operations. 149 pgs. 4149 $34.95

Superintendent's Handbook of Financial Management,
by Raymond Schmidtgal,
Written specifically for golf course superintendents, managers and owners. Official certification textbook of the Golf Course Superintendents Association of America. The book presents useful methods and techniques for understanding and using income statements, balance sheets, accounting procedures, financial statements, operating budgets, capital budgets, record keeping and much more. 150 pages. 4006 $34.95

Destructive Turfgrass Insects: Biology, Diagnosis, and Control,
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This book has the answers you need to control white grubs, mole crickets, fire ants, and other pests. Stinging and biting insects such as yellow jackets and ticks are included, as well as nuisance wildlife such as moles, raccoons, and more. Covers the biology, diagnosis, and control of virtually all of the insects and mites that attack warm and cool season turfgrasses. Over 250 full color photographs. 400 pg. 4150 $65.00

Pictorial Guides to Quality Groundskeeping Book I and Book II,
by Floyd Perry,
The only textbooks on the market for the grounds supervisor, athletic coach, little league volunteer, or baseball purist. Over 500 photos in each text with many in color. Book One, "Covering All The Bases" (100 pgs) covers Mound and Home Plate Repair; Edging, Dragging, Lip Reduction; Water Removal; Homemade Equipment and Tricks of the Trade. Book Two, "There Ain't No Rules" (108 pgs) covers Football, Soccer, Softball, Little League, Minor League, College and High School Facilities. Also covers Curbside Appeal, Tricks of the Trade, New Ideas for Easy Maintenance; Professional Research from Higher Learning Centers and much more. 4008 - Covering All The Bases-Book I $36.60 4009 - There Ain't No Rules-Book II $36.60 4022 - Pictorial Guides to Quality Groundskeeping 2 book set. $69.90

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  - Book I $36.60
  - Book II $36.60
  - 2 book set $69.90

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## INSECTS OF TURF AND THEIR CHEMICAL CONTROLS

### INSTRUCTIONS FOR USING THIS SECTION

Insect pests of turf are listed below, in the left column. To find the control products that are labeled for a specific pest, match the numbers following the insect with the list of chemical products in the right column. All numbers are inclusive.

In the chart of chemical products, chemical names are given first, followed by trade names in parentheses. **Boldface names** indicate "Restricted Use" products that require commercial state pesticide application licenses to apply. Not all insecticides are labeled for every state, and different established grass species have varied tolerances.

For full information on insect control, consult either labels of the individual chemicals or technical service departments of the respective manufacturers. For specific questions, you should consult your county extension agent (turf) and/or your state office of pesticide programs or environmental quality.

### INSECT | CONTROL OPTIONS
---|---
Aphid | 1, 3, 4, 5, 10, 22, 23, 24, 25
Armyworm | 3, 8, 10, 18, 21-24, 27
Bermudagrass mite | 3, 5, 10, 11
Billbug | 2-5, 8, 10, 13, 17, 18, 20-24, 26
Black turfgrass Aethiopis | 3, 8
Chinch bug | 1-8, 10, 12, 13, 17, 21, 22, 25, 26
Clover mite | 3, 6, 7, 10, 11, 22
Cutworm | 3, 3-8, 10, 17, 18, 21-28
Darkling ground beetle | 3, 25
Earwig | 1-10, 17, 22, 24-26
European chafers | 4
Fall armyworm | 1, 3-5, 18, 21, 22, 25
Fire ant | 1-5, 8-10, 15, 19, 21, 22, 25
Formula grass mite | 3
Greenbug | 1, 5, 24
Green June beetle | 4, 25
Ground beetle | 2, 25
Ground pearl | 24
Hyperodes weevil | 4-8, 10, 13, 18, 20-23, 25, 26
Japanese beetle | 1, 2-5, 8, 22, 23, 25, 26
June beetle | 4, 5, 22, 24, 25
Leathopper | 1, 2-5, 10, 22-25
Mole cricket | 1, 2-5, 8, 10, 13, 16, 17, 20-23, 25, 26, 28
Nematode | 13, 14
Rhodesgrass scale | 10
Sod webworm | 1-8, 10, 12, 13, 17, 18, 21-23, 25-28
Spittlebug | 4, 5, 10
White grub | 2, 4-7, 10, 13, 17, 18, 20-23, 25, 26
Winter grain mite | 5

### KEY TO CONTROL PRODUCTS

(Restricted Use Pesticides in **boldface**)

1 = acephate (Acephate Pro 75; Orthene Turf, Tree and Ornamental; Pinpoint; Velocity)
2 = bendiocarb (Turcam)
3 = bifenthrin (Talstar)
4 = carbaryl (Carbaryl, Cutworm and Cricket Bait, Grubtox, Insecticide V, Fluid Insecticide, RegalFate, Sevin, 7 Carbaryl Insecticide)
5 = chlorpyrifos (Chlorpyrifos, Lawn Insect Granules, Mole Cricket Bait, Cidium, Dichloron 2000, Drexar Lawn Granules, Dursban, Insect and Grub Control, Insecticide III, Lawn and Ornamental Insecticide, One-Sect IV, Vos-Ban III)
6 = chlorpyrifos + DDVP (Dursban/Vapona, DV-One)
7 = chlorpyrifos + pyrethrin (Dichloron, IRC-III, Lo-Ban, L.O. Sect, Non-Scents, No Prisoners L.O.)
8 = cyfluthrin (Tempo)
9 = cypermethrin (Cynoff, Demon TC)
10 = diazinon (Diazinon, Evict, Lawn and Garden Insecticide, Knox Out)
11 = dicofol (Kelthane)
12 = ethion (Ethion)
13 = ethoprop (Mocap)
14 = fenamiphos (Nemacur)
15 = fenoxycarb (Award)
16 = fipronil (Chipco Choice)
17 = fonofos (Crusade, Mainstay)
18 = halofenozide (Mach 2)
19 = hydramethylnon (Ampro, Siege)
20 = imidacloprid (Merit)
21 = isofenphos (Oftanoil, Insecticide IV)
22 = lambda-cyhalothrin (Battle, Scimitar)
23 = Lindane (Lindane)
24 = malathion (Malathion)
25 = permethrin (Astro, Dragnet, Flee, Permethrin Turf and Ornamental, Perm-X)
26 = pyrethrin (Exciter)
27 = spinosad (Conserve)
28 = trichlorfon (Dylox, Grub Beater, Grub Control with Dylox, Insecticide VI, Larva-Lur, Proxol, Trichlorfon, White Grub and Sod Webworm Insecticide, White Grub Control)
### DISEASES OF TURF AND THEIR CHEMICAL CONTROLS

**INSTRUCTIONS FOR USING THIS SECTION**

Diseases of turf are listed below, in the left column. To find the control products that are labeled for a specific fungus, match the numbers following the insect with the list of chemical products in the right column. All numbers are inclusive.

In the chart of chemical products, chemical names are given first, followed by trade names in parentheses. **Boldface names** indicate “Restricted Use” products that require commercial state pesticide application licenses to apply. Not all products are labeled for every state, and different established grass species have varied tolerances.

For full information on disease control, consult either labels of the individual chemicals or technical service departments of the respective manufacturers. For specific questions, consult your county extension agent (turf) and/or your state office of pesticide programs or environmental quality.

**DISEASE** | **CONTROL OPTIONS**
---|---
Algae | 7, 17, 23
Anthracnose | 2, 7-10, 22, 24-26, 28, 29
Brown patch/Rhiz. blight/Pink patch | 1, 2, 9, 16, 17, 19, 20-31
Copper spot | 1, 7-10, 12, 14, 17, 19, 24, 26, 29
Coprinus snow mold | 24
Curvularia | 7, 8, 23, 24
Damping off | 4, 11, 17, 18, 21, 30
Dollar spot | 7, 9, 16, 17, 19, 20, 22-31
Downy mildew/Yellow tuft | 15, 17, 18
Fairy ring | 13, 23
Fusarium blight | 3, 8, 12, 16, 17, 21, 24, 29
Gaemumannomyces g. graminis | 21, 24, 29
Gray leaf spot/Typhula blight | 7-10, 21, 23, 24
Gray snow mold | 1, 2, 5-8, 10, 12, 13, 22, 27, 29, 31
Helminthosporium leaf spot | 1, 4, 7-9, 17, 20, 22-26, 28, 31
Melting out | 1, 2, 4, 7, 17, 19, 20, 25, 28, 31
Necrotic ring spot | 2, 8, 10, 12, 16, 19, 22, 24
Pink snow mold/Fusarium patch | 2, 3, 5, 6, 8, 10, 12, 14, 16, 17, 20, 22, 24-29, 31
Powdery mildew | 8-10, 12, 14, 19, 22, 29
Pythium blight | 2, 5, 6, 11, 15, 17, 18, 21, 23, 30
Red leaf spot | 1, 9, 16, 22, 23
Red thread/Pink patch | 2, 8-11, 12-14, 16, 17, 19, 22, 24, 26, 29, 31
Rust | 1, 7, 8, 10, 17, 19, 22, 23, 26, 28, 29
Slime mold | 17
Smuts | 3, 10, 12, 19, 21, 24, 29
Southern blight/Sclerotium blight | 3, 6, 10, 13, 14, 23, 29
Spring dead spot | 2, 8, 12, 19, 22, 24
Summer patch | 2, 8, 10, 12, 19, 22, 24, 29
Take-all patch | 2, 8, 12, 22, 24, 29
Zoysia patch/Rhizoctonia solani | 2, 22, 24, 27, 29

**KEY TO CONTROL PRODUCTS**

(Restricted Use Pesticides in **boldface**)

1. anilazine (Dyreone)
2. azoxystrobina (Heritage)
3. benomyl (Benomyl)
4. captan (Capitan, Captec)
5. chloroneb (Fungicide V, Teremec, Terraneb)
6. chloroneb + thiophanate-methyl (Fungicide IX)
7. chlorothalonil (Chlorostar, Daconil 2587, Echo, Lite, Lawn Fungicide 2587, Manicure, Monterey Bravo, Turf Fungicide, Thalonil)
8. chlorothalonil + fenarimol (Two-Some)
9. chlorothalonil + thiophanate-methyl (ConSyst)
10. cyproconazole (Sentinel)
11. etridiazole (Koban, Terrazole)
12. fenarimol (Rubigan, Patchwork)
13. flutolanil (ProStar)
14. flutolanil + triadimefon (ProStar Plus)
15. fosetyl al (Ariette, Prodigy)
16. iprodione (Chipco 25019, Fungicide X)
17. mancozeb (Dithane, Fore, Formec, Mancozeb, Protect)
18. metalaxyl (Pythium Control, Subdue Maxx)
19. myclobutanil (Eagle)
20. PCNB (Defend, PCNB, Engage, Revere, Penstar, Terracel, Turficide)
21. propamocarb (Banol)
22. propiconazole (Banner Maxx)
23. quartenary ammonium (Physan)
24. thiophanate-methyl (Cleary's 3336, Cavalier, Fungo Flo, SysTec, Systemic Fungicide)
25. thiophanate-methyl + iprodione (Fluid Fungicide)
26. thiophanate-methyl + mancozeb (Duosan)
27. thiram (Spotrete, Lawn Disease Control, Thiram)
28. thiram + triadimefon (Fluid Fungicide I)
29. triadimefon (Turf Fungicide with Bayleton, Accost, Bayleton, Granulan Turf Fungicide, Fungicide VII, Fungi-Fighter, Lawn Fungicide Bayleton 1G, Turf Fungicide, Turf Fungicide Granules)
30. triadimefon + metalaxyl (Fluid Fungicide II)
31. vinclozolin (Curalan, Touche, Vorlan)
WEEDS AND THEIR CHEMICAL CONTROLS

INSTRUCTIONS FOR USING THIS SECTION

Weeds are listed in two categories, "Broadleaf" and "Grassy." To find the control products that are labeled for a specific weed, match the numbers following the weed (in the "Control Options" column) with the list of chemical products on page 27. In the lists of broadleaf and grassy weeds, **boldface numbers** indicate a chemical that is labeled for pre-emergence control. No boldface indicates post-emergence control. All numbers are inclusive.

In the chart of chemical products on the next page, chemical names are given first, followed by trade names in parentheses. **Boldface names** indicate "Restricted Use" products that require commercial state pesticide application licenses to apply. Not all herbicides are labeled for every state, and different established grass species have varied tolerances.

For full information on weed control, consult either labels of the individual chemicals or technical service departments of the respective manufacturers. For specific questions, you should consult your county extension agent (turf) and/or your state office of pesticide programs or environmental quality.

<table>
<thead>
<tr>
<th>BROADLEAF WEEDS</th>
<th>CONTROL OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bindweed</td>
<td>8, 14-18, 23, 25, 36, 37, 38-42, 59</td>
</tr>
<tr>
<td>Black medic</td>
<td>15, 17-23, 25, 36, 37, 38-42, 59, 60</td>
</tr>
<tr>
<td>Carpetweed</td>
<td>4, 14-16, 23, 24, 25, 37-41, 45, 49, 50, 53, 54, 58</td>
</tr>
<tr>
<td>Chickweed</td>
<td>2, 4, 11, 14-25, 28-30, 36-42, 45, 46, 49, 53, 54, 55, 58, 60</td>
</tr>
<tr>
<td>Chicory</td>
<td>14-18, 20-23, 25, 39-41, 59</td>
</tr>
<tr>
<td>Clover</td>
<td>11, 14-23, 25, 30, 30, 36, 37, 38-42, 45, 53, 58, 59, 60</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>2, 2, 7-9, 14, 15, 17, 18, 23, 25, 39-41, 60</td>
</tr>
<tr>
<td>Cudweed</td>
<td>2, 8, 17, 25, 36, 37, 53</td>
</tr>
<tr>
<td>Dandelion</td>
<td>11, 14-23, 25, 36, 37, 38-42, 59, 60</td>
</tr>
<tr>
<td>English daisy</td>
<td>15-17, 19, 21, 25, 39-41, 60</td>
</tr>
<tr>
<td>Evening primroses</td>
<td>8, 15, 17, 25, 36, 53</td>
</tr>
<tr>
<td>Goatsbeard</td>
<td>14, 15, 38, 40</td>
</tr>
<tr>
<td>Ground ivy</td>
<td>14-23, 25, 39-42, 59, 60</td>
</tr>
<tr>
<td>Groundsel</td>
<td>4, 9, 11, 16, 37, 49, 58</td>
</tr>
<tr>
<td>Hairy bittercress</td>
<td>28, 36, 37, 49</td>
</tr>
<tr>
<td>Healall</td>
<td>14-22, 39-41</td>
</tr>
<tr>
<td>Henbit</td>
<td>2, 4, 6, 11, 14-18, 20-23, 25, 28, 36, 37, 39-42, 45, 49, 53, 54, 58, 60</td>
</tr>
<tr>
<td>Jimsonweed</td>
<td>2, 7-9, 14-18, 25, 37-41</td>
</tr>
<tr>
<td>Knotweed</td>
<td>2, 4, 9, 11, 14-23, 25, 37-42, 45, 49, 53, 54</td>
</tr>
<tr>
<td>Kudzu</td>
<td>17, 25</td>
</tr>
<tr>
<td>Lambquarters</td>
<td>2, 6-9 11, 14-25, 37-42, 49, 50, 53, 54, 58, 59, 60</td>
</tr>
<tr>
<td>Lawn burweed</td>
<td>16, 36, 53, 58</td>
</tr>
<tr>
<td>Lespedeza</td>
<td>15, 16, 18, 20, 23, 28, 39, 41, 59, 60</td>
</tr>
<tr>
<td>Mallows</td>
<td>4, 11, 14-23, 25, 37, 39-41, 49, 60</td>
</tr>
<tr>
<td>Mustards</td>
<td>2, 4, 7-9, 11, 14-18, 23, 25, 37-41, 45, 49, 55, 60</td>
</tr>
<tr>
<td>Nettles</td>
<td>14, 15, 18, 25, 37-40, 50</td>
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</tbody>
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<thead>
<tr>
<th>BROADLEAF WEEDS</th>
<th>CONTROL OPTIONS</th>
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<tbody>
<tr>
<td>Oxalis (woodsorrel)</td>
<td>5, 50, 53, 54</td>
</tr>
<tr>
<td>Parsley-piert</td>
<td>2, 15, 23, 28, 36, 41, 45, 58</td>
</tr>
<tr>
<td>Pennyccres</td>
<td>9, 14, 15, 25, 38, 40</td>
</tr>
<tr>
<td>Pennywort</td>
<td>14-17, 19, 21, 36, 37, 39-42</td>
</tr>
<tr>
<td>Plantain</td>
<td>11, 14-23, 25, 37-42, 59, 60</td>
</tr>
<tr>
<td>Purslane</td>
<td>2, 4, 7, 8, 11, 14-22, 24-25, 28, 30, 37-42, 49, 53, 54, 58</td>
</tr>
<tr>
<td>Ragweed</td>
<td>2, 7-9, 11, 14-22, 25, 37-42, 47, 49, 58, 59, 60</td>
</tr>
<tr>
<td>Shearbdspurche</td>
<td>2, 4, 6, 7, 9, 11, 14-18, 20-22, 25, 28, 37-41, 45, 49, 53, 54, 55, 60</td>
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<tr>
<td>Sorrel</td>
<td>15-22, 25, 36, 37, 39-41, 55, 60</td>
</tr>
<tr>
<td>Speedwell</td>
<td>2, 8, 11, 15-24, 28, 37-42, 45, 50, 53, 54, 58</td>
</tr>
<tr>
<td>Spurge</td>
<td>2, 4, 5, 15-25, 28, 37-42, 45, 49, 50, 53, 54, 59, 60</td>
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<tr>
<td>Spurweed</td>
<td>2, 23, 39-41, 45, 58, 60</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>14, 15, 38</td>
</tr>
<tr>
<td>Thistle</td>
<td>2, 7, 8, 9, 11, 14-18, 20, 25, 37-42, 59, 60</td>
</tr>
<tr>
<td>Velvetcf</td>
<td>2, 4, 7-9, 11, 14, 18, 25, 37, 39, 40, 49, 53</td>
</tr>
<tr>
<td>Veronica</td>
<td>15, 37, 39-41</td>
</tr>
<tr>
<td>Vetch</td>
<td>2, 14, 15, 17, 23, 25, 38, 40, 41, 59, 60</td>
</tr>
<tr>
<td>Violet</td>
<td>11, 15, 17, 23, 36, 40, 41, 59, 60</td>
</tr>
<tr>
<td>Virginia buttonweed</td>
<td>2, 36, 50</td>
</tr>
<tr>
<td>Wild aster</td>
<td>14-17, 22, 37, 39-41</td>
</tr>
<tr>
<td>Wild buckwheat</td>
<td>2, 7-9, 14, 15, 25, 60</td>
</tr>
<tr>
<td>Wild carrot</td>
<td>4, 11, 14-18, 20-23, 25, 37-41, 59, 60</td>
</tr>
<tr>
<td>Wild garlic</td>
<td>11, 14-23, 25, 36, 39-41</td>
</tr>
<tr>
<td>Wild onion</td>
<td>11, 14, 16-22, 25, 36, 39-41</td>
</tr>
<tr>
<td>Yarrow</td>
<td>11, 15-23, 25, 39-42</td>
</tr>
<tr>
<td>Yellow woodsorrel</td>
<td>2, 4, 5, 15-23, 25, 28, 29, 37, 39-41, 46, 49, 50, 53, 54, 59, 60</td>
</tr>
<tr>
<td>GRASSY WEEDS</td>
<td>CONTROL OPTIONS</td>
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<tr>
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<td>-----------------</td>
</tr>
<tr>
<td>Annual bluegrass</td>
<td>2, 2-6, 24, 27, 28, 30, 36, 37, 44, 45, 48, 49, 50, 53-55, 55, 58</td>
</tr>
<tr>
<td>Annual ryegrass</td>
<td>4, 6, 11, 49, 56</td>
</tr>
<tr>
<td>Bahiagrass</td>
<td>29, 46, 56</td>
</tr>
<tr>
<td>Barnyardgrass</td>
<td>2-6, 12, 24, 28, 29, 30, 31, 32, 37, 46, 49, 50, 53, 54, 56-58</td>
</tr>
<tr>
<td>Bermudagrass</td>
<td>30, 31, 32, 56</td>
</tr>
<tr>
<td>Bromes</td>
<td>46, 55, 58</td>
</tr>
<tr>
<td>Carpetgrass</td>
<td>46, 50</td>
</tr>
<tr>
<td>Centipedegrass</td>
<td>46</td>
</tr>
<tr>
<td>Crabgrass</td>
<td>1, 2-6, 12, 22, 24, 28-30, 31, 32, 36, 37, 44, 46, 48-51, 53, 54, 56, 57, 58</td>
</tr>
<tr>
<td>Dallisgrass</td>
<td>12, 22, 29, 46</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRASSY WEEDS</th>
<th>CONTROL OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall panicum</td>
<td>4, 6, 24, 31, 32, 49, 50, 53, 54, 56, 58</td>
</tr>
<tr>
<td>Foxtail</td>
<td>2-6, 12, 24, 28, 30, 31, 32, 37, 46, 49, 50, 53, 54, 56, 57, 58</td>
</tr>
<tr>
<td>Goosegrass</td>
<td>1, 3-6, 12, 22, 24, 26, 28, 31, 32, 37, 45, 46, 48, 49, 50, 51, 53, 54, 56, 57, 58</td>
</tr>
<tr>
<td>Johnsongrass</td>
<td>4, 24, 31, 32, 49, 53, 54, 56</td>
</tr>
<tr>
<td>Nutsedge</td>
<td>4, 6, 12, 22, 29, 30, 35, 36, 38, 40, 44, 46</td>
</tr>
<tr>
<td>Orchardgrass</td>
<td>55, 58</td>
</tr>
<tr>
<td>Perennial ryegrass</td>
<td>11, 36, 39, 55</td>
</tr>
<tr>
<td>Quackgrass</td>
<td>32, 55, 56</td>
</tr>
<tr>
<td>Tall fescue</td>
<td>11, 36, 39, 55</td>
</tr>
<tr>
<td>Texas panicum</td>
<td>31, 32, 53, 54, 56</td>
</tr>
<tr>
<td>Wild oats</td>
<td>2, 4, 49, 56</td>
</tr>
</tbody>
</table>

**KEY TO CONTROL PRODUCTS**  
(Restricted Use Pesticides in *boldface*)

1 = asulam (Asulox)

2 = atrazine (Atrazine)

3 = benfoin (Balan)

4 = benefin + oryzalin (XL)

5 = benfoin + trifluralin (Team)

6 = bensulfide (Bensuic, Pre-San, Betasan, Weedgrass Preventer)

7 = bentazon (Basagran, Lescogran, Nutgrass Nihilator)

8 = bentazon + atrazine (Prompt)

9 = bromoxynil (Buctril)

10 = cacodylic acid (Montar)

11 = chlorosulfuron (TFC)

12 = calcium acid methanearsonate (CGK-89, HS-140)

13 = number not used

14 = 2,4-D (Dymec, Weedone LV4)

15 = 2,4-D + chlorpyridyl + dicamba (Millennium Ultra)

16 = 2,4-D + dicamba (Four Power Plus, Lawn Weed Killer, Triple D Lawn Weed Killer, 81 Selective Weedkiller)

17 = 2,4-D + dichlorprop (Fluid Broadleaf Weed Control, Weedone DPC Esters, Weedone Amine)

18 = 2,4-D + dichlorprop + dicamba (Super Trimec, Brushmaster)

19 = 2,4-D + MCP (2D Amine + 2 MCP, 2 Plus 2, MCP-2-4D)

20 = 2,4-D + MCP + dicamba (Bentgrass Selective Weed Killer)

Weed Killer, Three-Way Selective, Brush-Cut, Brush Whacker, Granular Broadleaf Weed Killer, HS-130, MecAmine D, SNS-2000, Strike 3, Three-Way Lawn Weed Killer, Trimec, TripleLU

21 = 2,4-D + MCP + dichlorprop (Broadleaf Granular Herbicide, Three-Way Ester, Dissolve, Triamine, Jet-Spray 3-Way Weed Control)

22 = 2,4-D + MCP + MSMA + dicamba (Trimec Plus)

23 = 2,4-D + dichlorprop (Basamid, Turflon II Amine)

24 = DCPA (Dacthal, Super Dacthal 666, Turf & Ornamental Herbicide, Garden Turf & Ornamental Herbicide)

25 = dicamba (Vanquish, K-O-G Weed Control)

26 = diclofop (Illoxyan)

27 = diquat (Aquatate, Reward, Vegetrol, Watrol, HNS-210)

28 = dithiopyr (Dimension)

29 = DSMA (DSMA, Methar 30)

30 = ethofumesate (Prograss)

31 = fenoxaprop (Acclaim Extra)

32 = fluazifop-P-butyli (Fusilade II)

33 = glufosinate-ammonium (Finale)

34 = glyphosate (Hoedown, Quick Claim, Trailblazer, Roundup Pro, HNS-220, Avail)

35 = halosulfuron (Manage)

36 = imazaquin (Image)

37 = isoxaben (Galler)

38 = MCPA (MCPA-4 Amine)

39 = MCPA + MCP + dicamba (Trimec Encore, Hat Trick, Tri-Power)

40 = MCPA + MCP + dichlorprop (Triamine II, Tri-

Ester II, Turf Weeder)

41 = MCPA + triclopyr + dicamba (Cool Power, Horsepower)

42 = mecoprop/MCPP (Certi-CM, Chemweed 265, HS-167, Milpro 360, MCPA-4 Amine, MCPA-4K, Mecomec)

43 = methyl bromide (Brom-O-Gas, Terr-O-Gas, MB-98, MBC)

44 = metolachlor (Pennant)

45 = metribuzin (Sencor 75)

46 = MSMA (MSMA, Crabgrass Killer, Daconate, Drexar 530, Summer Crabicide, Super Crabgrass Killer, Weed Hoe, 120 Herbicide, 912 Herbicide)

47 = MSMA + cacodylic acid (Broadside, Monsite)

48 = napropamide (Ornamental Herbicide 5G)

49 = oryzalin (Surflan, Weed Stopper)

50 = oxadiazon (Ronstar)

51 = oxadiazon + bensulide (Goosegrass/Crabgrass Control)

52 = pendimethalin (Pendulum, Pre-M, Turf Weed Control, Turf and Ornamental, Weedgrass Control)

53 = propazine (Barricade)

55 = pronamide (Kerb)

56 = sesothoxydim (Grass Getter, Vantage)

57 = siduron (Crabgrass Control, Crabgrass Preventer and Weed Killer, Tupersan, Super Tupersan)

58 = simazine (Princep, Simazine, Sim-Trol, Wynnstar)

59 = triclopyr (Turflon Ester)

60 = triclopyr + clopyralid (Confront)