

County Extension Agent Turf News – Spring 2006

by

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Weed Control Programs:

By now, spring application of preemergent herbicides for the control of summer annual weeds should have been applied. However, if they have not been applied, application of a preemergent herbicide at this time will still control a majority of the summer annual weeds. Application of preemergent herbicides should be used on St. Augustinegrass and centipedegrass lawns with caution in the spring. While these herbicides are selective for turfgrasses, they can cause root pruning in these particular grasses, especially if they are under stress. Also, bermudagrass and/or zoysiagrass areas that were not watered during the winter months should be treated with caution.

The summer grassy and broadleaf weeds are just starting to appear in turfgrass sites. For the broadleaf weeds, use one of the two-way or three-way hormone herbicide combination products. For grassy weeds, use one of the herbicides containing MSMA or DSMA. Note, for the arsenical herbicides to work, daytime temperatures need to be in the upper 80 to lower 90° F range. For hard to control grassy weeds such as dallisgrass, it will probably take 2 to 3 applications applied at a 7 to 10 day interval. It is very important to not water or mow the turfgrass for at least 24 and preferably 48 hours after treating with one of the arsenical herbicides. Note, remember that the arsenical products such as MSMA and DSMA cannot be used on St. Augustinegrass or Centipedegrass lawns.

Listed below are several herbicide lists. While these are partial lists, they do contain some of the more common herbicides used for weed control in turfgrass areas. Always caution anyone that it is their responsibility to read the herbicide label carefully before purchasing the product to make certain it is 1) still labeled for use on the weed they are trying to control and 2) and for the site (residential lawn vs. sports field vs. sod farm, etc.) and 3) the particular turfgrass species and variety they are treating. They should also always read the label carefully before applying the herbicide to make sure the correct rate is being applied for effective weed control.

These lists are for County Extension Agents to use as a resource list when making herbicide recommendations. We wouldn't advise sending the entire list out to anyone.

Table 1. Partial List of Common and Trade Names for Preemergent Herbicides Used to Control Annual Weeds in Turfgrasses:

Common name	Trade name(s)
atrazine	Atrazine 4L, Aatrex 4L, Purge 4L
benefin	Balan 2.5 G, Balan 60 DF, 2.5 Benefin Granules
benefin + oryzalin	XL 2G, Excel-5 Plus
benefin + oxadiazon	Regal Star
benifin + trifluralin	Team 2G, Team Pro
bensulide	Betasan, Bensumec, PreSan, Weedgrass Preventor
bensulide + oxadiazon	Goose/Crab Control
dithiopyr	Dimension, Ultra WSP
ethofumesate	Prograss 1.5 EC
isoxaben	Gallery
metolachlor	Pennant Magnum 7.62 EC
oryzalin	Surflan 4 AS
oxadiazon	Ronstar ¹
pendimethalin	Pendulum (several), Pre-M
prodiamine	Barricade, Endurance, Factor, RegalKade G
pronamide	Kerb
simazine	Princep 4L, Simazine 4L, Simtrol 4L

1. not for use in residential lawns.

Table II. Partial List of Common and Trade Names for Postemergent Control of Broadleaf Weeds in Turfgrass:

Common name	Trade name(s)
atrazine	Atrazine, Aatrex 4L, Purge 4L
carfentrazone	Quicksilver
chlorosulfuron	Corsair

clopyralid	Lontrel ¹
diquat	Reward Landscape & Aquatic Herbicide
ethofumesate	Prograss 1.5 EC
flazasulfuron	Katana
fluroxpyr	Spotlight
foramsulfuron	Revolver
imazaquin	Image
MCPA	MCPA L.V. 4 Ester
MCPA, MCPP, dicamba	TriPower Selective, Encore,
MCPA, MCPP, dicamba, carfentrazone	Powerzone
MCPA, triclopyr, dicamba	TruPower
MCPA, fluroxypyr, dicamba	TruPower 2
Mecroprop (MCPP)	MCPP-4 amine, Mecomec 2.5 EC
MCPP, 2,4-D, dicamba	Trimec Southern, Lesco Three Way Selective, Bentgrass Selective, Triplet SF
MCPA, triclopyr, dicamba	Cool Power Ester, Lesco Eliminate, Three Way Ester II Sensitive, Horsepower
metsulfuron-methyl	Blade, Manor
quinclorac	Drive
triclopyr	Turflon Ester
triclopyr, clopyralid	Confront ¹
2,4-D	Dymec, WEEDestroy AM-40 Amine, Hardball, Lesco A-4D
2,4-D, 2,4-DP	Patron 170 Ester
2,4-D, clopyralid, dicamba	Millennium Ultra
2,4-D, clopyralid, dicamba, MSMA	Millennium Ultra Plus
2,4-D, dicamba	Lesco Eight-One
2,4-D, MCPP, dicamba	Three-Way Selective, Trimec Southern, Trimec Bentgrass, Trimec Classic, Trimec Turf Herbicide
2,4-D, MCPP-p, dicamba	Triplet HI-D, Triplet Selective
2,4-D, MCPP, dicamba, carfentrazone	Speedzone, Speedzone Southern
2,4-D, MCPP, dicamba, sulfentrazone	Surge
2,4-D, MCPP, 2,4-DP	Dissolve, Triamine
2,4-D, triclopyr, clopyralid	Momentum
2,4-D, triclopyr	Chaser
MSMA, 2,4-D, MCPP, dicamba	Trimec Plus
trifloxysulfuron	Monument

1. not for use in residential lawns.

Table III. Partial List of Common and Trade Names for Control of Grassy Weeds in Turfgrasses:

Common name	Trade name(s)
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chlorsulfuron	Corsair
diquat	Reward Landscape & Aquatic Herbicide
ethofumsate	Prograss 1.5 EC
fenoxaprop	Acclaim ¹
flazasulfuron	Katana
foramsulfuron	Revolver ³
fluazifop-p-butyl	Fusilade II ²
metribuzin	Sencor 75W
metsulfuron-methyl	Blade, Manor
MSMA	MSMA 6 Plus, Bueno 6, Target 6.6, MSMA Plus HC, TurfMax 6 Plus, MSMA Turf Herbicide, Lesco Soluble MSMA Granules
MSMA, 2,4-D, MCPP, dicamba	Trimec Plus
rimsulfuron	TranXit ³
trifloxysulfuron	Monument ³

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1. for grassy weed control in cool season turfgrasses.
 2. for control of grassy weeds in zoysiagrasses.
 3. primarily used for poa annua control and as ryegrass transition aid.

Table IV. Partial List of Herbicides for the Control of Sedges in Turfgrasses:

Common name	Trade name(s)
halosulfuron	Sedgehammer
imazaquin	Image
sulfosulfuron	Certainty
trifloxysulfuron	Monument
sulfentazone	Dismiss

Table V. Partial List of Common and Trade Names for Preemergent Weed Control in Home Lawns by Homeowners:

Common Name	Trade Names (partial list)
1. dithiopyr	Sta-Green Crab Ex; Green Light Crabgrass Preventor; Vigoro Preemergent Crabgrass and Weed Preventor
2. pendimethalin	Scotts Halts Crabgrass Preventor
3. oryzalin	Southern Ag. Surflan A.S.
4. isoxaben	Portrait Broadleaf Weed Preventor
5. benefin + oryzalin	Green Light Amaze Grass and Weed Preventor; XL 2G;
6. benefin + trifluralin	Hi-Yield Crabgrass Preventor; Southern Ag. Team 2 G
7. corn gluten meal	Concern All Natural Weed Preventor Plus Nature's Guide Corn Gluten Meal

Note, labels can change on a regular basis. Therefore, always read the labels before purchasing and before using any of these herbicides to determine which grasses they can safely be used on and what weeds they will control.

Table VI. Partial List of Common and Trade Names for Postemergent Weed Control in Home Lawns by Homeowners:

Common Name	Trade Names (partial list)
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| 1. 2,4-D | 2,4-D Amine No. 4; American 2,4-D Selective Weed Killer |
| 2. 2,4-D, MCPP, Dicamba | Ace Spot Weed Killer; Bayer Advanced Lawns Southern Weed; Ferti-lome Weed Out Lawn Weed Killer; Green Light Wipe Out Broadleaf Weed Killer; Ortho Weed-B-Gon; Spectracide Weed Stop For Lawns; Southern Ag. Lawn Weed Killer: Hi-Yield Lawn Weed Killer; Bonide Weed Beater Lawn Weed Killer; Bonide Weed Beater Southern Lawns |
| 3. imazaquin | Ambrands Image |
| 4. msma, dsma, cma | Green Light MSMA Crabgrass Killer; Ambrands Image “Kills Crabgrass”; Ortho Weed-B-Gon Crabgrass Killer for Lawns; Bonide MSMA Crabgrass Killer; Ferti-lome Crabgrass, Nutsedge and Dallisgrass Killer; Hi-Yield 529 MSMA Weed Killer |
| 5. 2,4-D, mcpp, dicamba msma | Bayer Advanced Lawns All-in-One Weed Killer; Ferti-lome Weed Out Plus Lawn Weed and Grass Killer; Bonide Weed Beater Plus |
| 6. triclopyr | Ortho Weed-B-Gon Chickweed, Clover and Oxalis Killer; Hi-Yield Turflon Ester |
| 7. bentazon | Southern Ag Sedge Hammer; Monterey Nihalator; Hi-Yield Basagran |
| 8. mcpp, 2,4-D, dicamba | Southern Ag Lawn Weed Killer; Ortho Weed-B-Gon Weed Killer for Lawns; Ortho Weed-B-Gon Kills Weeds, Not Lawns |
| 9. 2,4-D, mcpp, dicamba, carfentrazone | Ferti-lome Weed Free Zone |
| 10. 2,4-D, MCPP_p, dichloprop_p | Basic Solutions Lawn Weed Killer |
| 11. 2, 4-D, triclopyr, dicamba | Bonide Chickweed, Clover and Oxalis Killer; Ortho Weed-B-Gon Max |
| 12. 2,4-D, MCPP, dicamba + sulfentrazone | Spectracide Weed Stop 2X for Lawns |

Note, labels are always changing. Always advise individuals to read the label before purchasing and before applying to make sure the herbicide is still labeled for use in their type of lawn grass and for the weeds they are trying to control.

Following is a list of several websites that are excellent for looking up common weeds found in turfgrasses.

1. www.weedalert.com
 2. www.griffin.uga.edu/grf/dept/cropsci/turf/weedcontrol/homepage.shtml
 3. www.psu.missouri.edu/fishel/Default.htm
 4. http://ipm.ucdavis.edu/PMG/weeds_common.html
 5. <http://jimmcafee.tamu.edu>
- www.ppws.vt.edu/weedindex.htm