


# REMEMBER THE Roundup®



Along  
driveways

Edging  
along  
fencelines

Along  
flower beds  
and planters



Around  
tree bases

Along  
sidewalk  
cracks

Now's the time to Remember ROUNDUP® herbicide for all kinds of jobs around the customer's lawn. Remember that ROUNDUP controls a broad spectrum of weeds, roots-and-all. With no time wasted on retreatment, you'll have more time for new business.

Remember that ROUNDUP stays where you put it...so there's no washing or leaching to harm desirable vegetation. And Remember that ROUNDUP is biodegradable and won't build up

in the soil. That fact gives you the flexibility to use ROUNDUP just about anywhere a trimming, edging or weed problem pops up. Spray with confidence — Remember the ROUNDUP.

Always read and follow the label for Roundup® herbicide. Roundup® is a registered trademark of Monsanto Company. © Monsanto Company 1989 RIP-9-101 DR

**Monsanto**

For complete information on the many benefits of trimming and edging with Roundup, call

**1-800-225-2883**

**WEED CONTROL****COOL-SEASON***by Thomas Watschke, Penn State Univ.***Cool Season Herbicides**

Herbicide	Brand Name(s)	Company	Uses
<b>ammonium sulphamate</b>	Ammate	DuPont	Non-selective rights of way herbicide
<b>asulam</b>	Asulox	Rhone Poulenc	Post-emergence grassy weed control for turf and ornamentals
<b>atrazine</b>	Aatrex	Ciba Geigy	Non-selective control in non-crop areas.
<b>benefin</b>	Balan	Elanco	Pre-emergence control of annual grasses and broadleaf weeds in established turf.
<b>bensulide</b>	Betasan Pre-San Lescosan Betamec-4	ICI Sierra Lesco PBI Gordon	Pre-emergence control of annual grasses and broadleaf weeds in established turf and established flower gardens. Safe near tulip and daffodil bulbs.
<b>bentazon</b>	Basagran	BASF	Selective post-emergence control of nutsedge in warm-season turf.
<b>bromacil</b>	Hyvar	DuPont	Non-selective control of weeds and grasses on non-crop areas. Usually mixed with diuron for roadsides and rights-of-way.

continued . . .

# LANDSCAPE MANAGEMENT

SG

OCTOBER 1989

This card void  
after April 15, 1990

For fastest response, use the peel-off label from the front cover.

NAME _____
TITLE _____
FIRM _____ <b>PLACE COVER LABEL HERE</b> _____
ADDRESS _____
CITY _____
STATE _____ ZIP _____

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TELEPHONE ( ) \_\_\_\_\_

HAVE A SALES REP CALL ME  (A)

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801	811	821	831	841	851	861	871	881	891
802	812	822	832	842	852	862	872	882	892
803	813	823	833	843	853	863	873	883	893
804	814	824	834	844	854	864	874	884	894
805	815	825	835	845	855	865	875	885	895
806	816	826	836	846	856	866	876	886	896
807	817	827	837	847	857	867	877	887	897
808	818	828	838	848	858	868	878	888	898
809	819	829	839	849	859	869	879	889	899
810	820	830	840	850	860	870	880	890	900

MY PRIMARY BUSINESS AT THIS LOCATION IS:  
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)

### A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING TYPES OF FACILITIES:

- 0005  Golf courses
- 0010  Sport complexes
- 0015  Parks
- 0020  Rights-of-way maintenance for highways, railroads & utilities
- 0025  Schools, colleges & universities
- 0030  Industrial & office parks/plants
- 0045  Condominiums/apartments/housing developments/  
hotels/resorts
- 0050  Cemeteries/memorial gardens
- 0060  Military installations & prisons
- 0065  Airports
- 0070  Multiple government/municipal facilities  
 Other type of facility (please specify)

### B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

- 0105  Landscape contractors (installation & maintenance)
- 0110  Lawn care service companies
- 0112  Custom Chemical Applicators
- 0125  Landscape architects
- 0135  Extension agents/consultants for horticulture  
 Other contractor or service  
(please specify) \_\_\_\_\_

### C. SUPPLIERS:

- 0205  Sod growers
- 0210  Dealers, Distributors  
 Other supplier (please specify)

What is your title? (please specify) \_\_\_\_\_

I would like to receive (continue receiving)

LANDSCAPE MANAGEMENT each month: YES  NO

Your Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**BUSINESS REPLY MAIL**

FIRST CLASS

PERMIT NO. 665

DULUTH, MINNESOTA

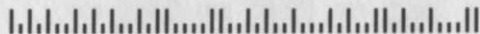
POSTAGE WILL BE PAID BY ADDRESSEE

READER SERVICE DEPARTMENT

**LANDSCAPE  
MANAGEMENT**

POST OFFICE BOX 6049  
DULUTH, MINNESOTA 55806-9749

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



## Cool Season Herbicides (cont.)

Herbicide	Brand Name(s)	Company	Uses
<b>bromoxynil</b>	Buctril	Rhone Poulenc	Post-emergence control of broadleaf weeds in seedling turf, established turf and non-crop areas.
<b>cacodylic acid</b>	Phytar Rad-E-Cate	Vertac Vineland	Non-selective control for turf renovation, edging and in plant beds.
<b>chloramben</b>	Amiben	Rhone Poulenc	Pre-emergence control in ornamentals.
<b>chlorflurenol</b>	Maintain	Uniroyal	Growth regulator. Also controls broadleaf weeds and vines.
<b>copper</b>	Cutrine-Plus	Applied Biochemists	Control algae, chara and hydrilla in potable water.
<b>dalapon</b>	Dalapon 85 Dowpon M	Fermenta Dow	Selective control of perennial and annual grasses in non-crop areas and ditchbanks.
<b>dazomet</b>	Mylone	Hopkins Ag.	Preplant sterilant for turf and ornamental beds.
<b>DCPA</b>	Dacthal	Fermenta	Pre-emergence control of annual grasses and broadleaf weeds in turf and ornamental beds.
<b>dicamba</b>	Banvel	Sandoz	Selective post-emergence control of broadleaf weeds in turf and for non-crop control of brush.
<b>dichlobenil</b>	Dyclomec	PBI Gordon	Selective weed control in ornamental beds and for total weed control on roadsides, fencerows, etc.
<b>dichlorprop</b>	2,4-DP	Rhone Poulenc	Brush control and aquatic weed control.

## Cool Season Herbicides (cont.)

Herbicide	Brand Name(s)	Company	Uses
diphenamid	Enide	Nor-Am, Upjohn	Selective control of annual grasses and broadleaf weeds in bermudagrass, dichondra and around ornamentals.
DSMA	Methar 30 DSMA Liquid DSMA 81% Weed-E-Rad	W.A. Cleary Drexel Vertac Vineland	Selective post-emergence control of sedges and grasses on turf and ditchbanks and storage yard.
diquat	Diquat	Valent	Aquatic weed control.
diuron	Karmex Dynex Diuron 80WP Urox	DuPont Vertac Drexel Hopkins	Generally used at high rates for non-selective total weed control in industrial sites:
endothall	Aquathol K Endothall	Pennwalt Pennwalt	Aquatic weed control and turf herbicide and dessicant.
EPTC	Eptam	ICI	Selective control of annual grassy weeds, nutgrass, and perennial weeds.
ethofumesate	Prograss	Nor-Am	For control of <i>Poa annua</i> and white clover in fairways.
fosamine	Kernite	DuPont	Brush control.
flurprimidol	Cutless	Elanco	Growth regulator that suppresses annual bluegrass.
fluazifop-butyl	Fusilade	ICI Americas	Selective post-emergence control of grassy weeds in ornamentals.
fluridone	Sonar	Elanco	Broad spectrum herbicide for submersed and emersed aquatic weeds.

## Cool Season Herbicides (cont.)

Herbicide	Brand Name(s)	Company	Uses
<b>glyphosate</b>	Rodeo	Monsanto	For control of emerged aquatic weeds and broad leaf weeds in or near aquatic sites, such as ditchbanks.
<b>glyphosate</b>	Roundup	Monsanto	Non-selective, short-term herbicide for turf renovation and total weed control along fences and plant beds.
<b>imazaquin</b>	Image	American Cyanamid	Experimental herbicide for turf
<b>imazapyr</b>	Arsenal	American Cyanamid	Broad spectrum systemic industrial herbicide
<b>linuron</b>	Lorox	DuPont	Short-term control of annual weeds in roadsides and fence rows.
<b>mefluidide</b>	Embark	PBI Gordon	Grown regulator that suppresses <i>Poa annua</i> .
<b>metham</b>	Vapam	ICI	Preplant soil fumigant killing weeds, weed seed, insects and fungi.
<b>methyl bromide</b>	Dowfume	Dow	Fumigant for pre-plant control. Also kills weed seed.
<b>metribuzin</b>	Sencor	Mobay	Post-emergence control of goosegrass in warm-season turf.
<b>MCPP</b>	MCPP Mecomec MCPP Chipco Turf Herbicide	Fermenta PBI Gordon WA Cleary Rhone Poulenc	Selective broadleaf weed control in turf. Often combined with other herbicides.



## Cool Season Herbicides (cont.)

Herbicide	Brand Name(s)	Company	Uses
<b>MSMA</b>	Daconatel Broadside Ansar Weed-Hoe	Fermenta Vertac Drexel Vineland	Post-emergence selective control of crabgrass and broadleaf weeds in turf. Also, grassy weed control in ditchbanks, roadsides, industrial areas.
<b>napropamide</b>	Devrinol	ICI	Selective control of weeds in ornamental beds and containers. Experimental combination with Betasan for season-long crabgrass control in turf.
<b>oryzalin</b>	Surflan	Elanco	Pre-emergence control of weeds in established ornamentals and warm-season turf.
<b>oxadiazon</b>	Ronstar	Rhone Poulenc	Pre-emergence control of weeds in ornamentals and turf.
<b>oxyfluorfen</b>	Goal	Rohm & Haas	Selective control of weeds in ornamentals.
<b>paraquat</b>	Paraquat	Valent	Non-selective control of weeds in rights-of-way, industrial areas and fencerows.
<b>pendimethalin</b>	Proturf Weedgrass Control Pre-M	Lesco	Pre-emergence turf herbicide for control of grassy and broadleaf weeds.
<b>picloram</b>	Tordon	Dow	Systemic, long-term killer of woody plants and broadleaf weeds.
<b>prometon</b>	Pramitol	Ciba Geigy	Non-selective herbicide with long residual for industrial weed control.