- Established Turf Grasses (excluding golf course putting greens) and lawns
- Landscape Ornamentals (including established perennials and wildflower plantings)

# Solu-Cal

with Cavalcade 0.37%



# Active Ingredient:

Prodiamine, [N3,N3-Di-n-propyl-2,4-dinitro-6-	
(trifluoromethyl)-m-phenylenediamine	0.37%
Inert Ingredients:	99.63%
Total:	100.00%

# KEEP OUT OF REACH OF CHILDREN **CAUTION**

EPA Reg. No. 60063-40-88648 EPA Est. No. 075527-PA-12

Calcium (Ca)	36.00%
Magnesium (Mg)	0.40%
Minimum Calcium Carbonate (CaCO <sub>3</sub> )	89.50%
Minimum Magnesium Carbonate (MgCO <sub>3</sub> )	0.40%
Calcium Carbonate Equivalent (CCE)	91.00%
Effective Neutralizing Value (ENV)	88.27%
Minimum ECCE	81.73%
Derived from Calcium Carbonate	
1.980 lbs = 1 ton standard lime	
Maximum Moisture Content: 1.0%	

RNV = 91%

100% passing	4 Mesh Sieve
100% passing	8 Mesh Sieve
100% passing	10 Mesh Sieve
100% passing	20 Mesh Sieve
100% passing	40 Mesh Sieve
100% passing	50 Mesh Sieve
95% passing	60 Mesh Sieve
95% passing	100 Mesh Sieve
90% passing	200 Mesh Sieve







NET WT. 50LB (22.68 kg)





Solu-Cal with Cavalcade 0.37%



## PRECAUTIONARY STATEMENTS

PRECAUTIONART STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye initiation. Avoid contact with eyes or dolthing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, shoes and gloves.

# FIRST AID

FIRST AID

FINEYES:Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing Call a poison control center or doctor for treatment advice. It FSWALLOWED. Call a Poison control center or doctor immediately for treatment advice. When person sip a glass of water if able to swallow. Do not induce vomiting unless told to do by a poison control center or doctor. On not give anything by mouth to an unconscious person.

FON SKIN OR CLOTHING: Table off contaminated clothing, Rinse skin immediately with plenty of water for 15 to 20 minutes Call a poison control center or doctor for teatment advice. When person to fresh air. If person is not breatling, call 91 or an ambulance, then give artificial in FINHALD: More person to fresh air. If person is not breatling, call 91 or an ambulance that prevention and the possible Call a policy concerned center, or doctor for further treatment advice.

advice.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limits of solubility, this product is not took to fish, However, at concentrations above the level of water solubility, thin any low took for fish. Drift and nunoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pestide to enter or run off into storm drains, drainage diches, quetter or surface waters. Applying this product in calin weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pestidies off the treatment areas. Sweeping any product that lands on an drieway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

# DIRECTIONS FOR USE

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf
weeds in:
- Established turf grasses (excluding golf course putting greens) and lawns

Landscape ornamentals Established perennials and wildflower plantings

This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least 12 inch of a rainfall, irrigation, or shallow (1 to 2 inches) incropporation, port or tweed seed germination and within 14 days following application. Not for use on plants being grown for; (1) Sale or other commercial use, (2) for commercial seed production, or (3) for research purposes for use on plants intended for a sethetic purposes or climate modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not graze or feed hestock forage cut from areas treated with this product. Co not apply serially. Do not apply to golf course putting greens. Do not apply this product through any type of irrigation system.

When used in accordance with this label this product will provide control of the following weeds:

Barryandignass or the following weeds:

Barryandignass or the following weeds:

Barryandignass or the following weeds:

Chickweed common

Chickweed common

Chickweed common

Chopass (Linguagnass)

Couparass, Worldy

Coosegass'

Lyapanse, Worldy

Coosegass'

Lyapanse, Worldy

Coosegass'

Lyapanse, Worldy

Coosegass'

Lyapanse, Worldy

Rochia

Roc Sprangletop Woodsorrel, Yellow (from seed)

usimum Annual Rate Table acove. artions for this weed should be made in late summer, fall, or winter prior to germination. ession only, Sequential applications may be made so long as the stolal amount of product applied does not ext mended for each turl species. All applications must be made prior to germination of the weed seeds.

# FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

APPLICATION DIRECTIONS: Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURE: This product is a selective peremergence herbicide that, when properly applied, will control certain grass and broadward services and the properly applied, will control certain grass and broadward services and the product of the applied per year is given for each ture flower of the services and the services are given for each ture flower of the services and the services are given for each ture flower pass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by a least of is inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.





USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses, (2) Do not apply to overseeded turf within 60 days after section of until and the second moving, whichever is longer, injury to idesirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch the loss (3) Do not cut tharvest) treated sod before 12 days after application. Do not apply to newly set sod until the following year, (4) Application of this product to turf stressed by drought, low fertility, or pest damage any sesuit in turf injury, (5) Esturbing the herbicide bainer with cultural practices us and addising may result in reduced weed control, (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, welter bettings so reamal bluegass (90 darmal) are destable species.

RATES OF APPLICATIONs: This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control setablished weeds fashimmum ser area selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

MAXIMUM ANNUAL RATES: This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species <sup>(1)</sup>						
Turf Species:	Lbs. Product/A [or]	Lbs. Product /1000 sq.ft.	Lbs. a.i./A			
Creeping Bentgrass	176	4.0	0.65			
Creeping Red Fescue	203	4.7	0.75			
Buffalograss						
Kentucky Bluegrass	270	6.2	1.0			
Perennial Ryegrass						
Bermudagrass <sup>(2)</sup>						
Bahiagrass						
Centipedegrass						
Seashore Paspalum	405	9.3	1.5			
St. Augustinegrass						
Tall Fescue (including turf-type)						

Zoysia

kendar year by species limitations. Jologoed Berniudigarss at notes not to exceed 0.5 lb.a.l/scre lequal to 135 lbu/A of this product (orl equal to 3.1 lbs/1000 sq/t. of this Berniudigarss solden rooding may be temporarily retarded. Jugaresion only of Fortali, Geosegras, and Rescuegrass due to reduced

in 5 lbs. a.l. per calendar year per acre lequal to 405 lbs.//a of this product (orl equal to 9.3 lbs.//1600 sg.ft. of this product), product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application of the control for each turf type. but do not exceed the maximum application of the control for each turf type. but do not exceed the maximum application of the control for each turf type.

WHEN TO APPLY AFTER OVERSEEDING TURF: Do not apply to overseeded turf within 60 days after seeding or until after the second moving, whichever is longer, lulyur to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not that hips soil.

WHEN TO OVERSEED AFTER APPLICATION: This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the following table below for best overseeding/reseeding

LBs Product/Acre	LBs Product/1000 sq.ft.	LBs ai/A	Months Before Overseeding		eding
			North	Transition	South
135	3.1	0.50	4	4	4
176	4.0	0.65	5	4	4
203	4.7	0.75	6	5	5
216	5.0	0.80	-	6	6
270	6.2	1.00	-	7	7
308	7.1	1.14	-	-	9
351	8.1	1.30	-	-	10
405	9.3	1.50	-	-	12

**LANDSCAPE ORNAMENTALS** Including Established Perennials and Wildflower Plantings This product may be applied for residual preemergence weed control in ornamentals.

on name (Tested varieties)

Use rates and When to Apply: Apply in fall and/or spring, 0.65 to 1.5 lbs. active lingredient per acre, which is equal to 4.0 to 3.0 lbs. of this product per 1,000 sq.ft. of ornamental plantings, therefore 20 lbs or this product will treat 1.570 to 5,000 sq.ft. Use the higher rates of application for longer control periods. Sequential applications may be made as long as the total amount of product applied does not exceed the maximum annual application rate of 1.5 lbs. a.i. per acre.

Established Landscape Ornamentals: This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate it into the soil.

Newly Transplanted Landscape Ornamentals: This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application (Delay application to allow soil to settle around new transplants and water thronoughly before applying his product, Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

**Tolerant Ornamental Species:** This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when it is uniformly applied to the soil surface, avoid applying to commental shoots which may defeat the effect to get unifior distribution on the soil surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

Scientific name

Common name (Tested varieties)

ses spp.	Fir	Abelia grandiflora	Abelia: Sherwood
er palmatum	Japanese maple	Acer platanoides	Norway maple
hillea sp.	Yarrow (King Edward)	Actinidia chinensis*	Kiwi*
aponthus africanus	Lily-of-the-Nile; African Lily	Akebia quintata	Five-leaf or Chocolate vine
ilum censuum	Lady's leek or Nodding onion	Anemone hybrida	Japanese anemone Aquilagia
	Columbine (Red and gold)	Arctostaphylos densiflora	Vine Hill manzanita Arctotheci
p.	Columbine (Red and gold)	Arctostaphyros densinora	vine riii manzanita Arctotneci
iendula	Cape weed	Artemesia spp.	Wormwood (Silver mound; Castle)
ter sp. or Symphiotrichius	sp. Aster (Bonny blue, Purple dome)	Aster X frikartii	
hyrlum fellx-femina	Lady fern	Aucuba japonica	Japanese Aucuba
gonia spp.	Fibrous bigonia (Hardy Grandis)	Berberis gladwynesis	Barberry
gunu spp.	The control of the co	Delberri guanyinini	the state of the s
rberis julianae	Wintergreen barberry	Berberis mentorensis	Mentor barberry
rberis thunbergii	Japanese barberry	Berberis verriculosa	Warty barberry
rgenia cordifolia		Baltonia asteroides	Snowbank
ugainvilles spp.	Bouganvillea	Buddleia davidi	Butterfly-bush (Dwarf Blue, Royal Red)
ugannner spp.	Bouganvillea		Butterny-bush (Dwart Blue, Koyai Ked)
xus microphysla	Japanese boxwood	Callistemon viminalis	Weeping bottlebrush
fluna vulgaris	Scotch heather	Campanula carpatica	Tussock bellflower (White Clips)
mpsis X tagliabuana	Trumpet creeper; Trumpet flower (Madame Gaten)	Carpobrotus edulis	Hottentot fig; ice plant
inpair x ingentioning	maniper deeper, maniper nover yearanie carein	Сироноштении	rounnessing, ice paint
ssia artemisoides	Feathery Cassia	Ceanothus rigidus	Wild Lilac
ratostigma plumbaginoi	des	Chamaecyparis pisifera	False Cypress
rysanthemum nipponicu	um .	Cleyera japonica	Cleyera
rus spp."	Citrus species*	Coreopsis spp.	Coreopsis; Calliopsis (Early sunrise,
rus spp.	Citius species	Coreopois spp.	Coreopsis, Carropsis (carry surrise,
mus florida	Flowering dogwood		Moonbeam)
mus stolonifera	American dogwood	Cortaderia selloana	Pampas grass
toneaster apiculatus	Cranberry cotoneaster	Cotoneaster bunifolius	Cotoneaster
toneaster dammeri	Bearberry cotoneaster	Cotoneaster microphyllus	Rockspray cotoneaster
	bearberry cotoneaster	Cotoneoster microphynus	nockspray cotoneaster
staegus spp.	Hawthome	Crocosmia spp.	Lucifer
pressus sempervisens	Italian cypress	Defosperma alba	White trailing ice plant
iphinium spp.	Larkspur (Blue elf)	Dianthus deltoides	Maiden pinks (Zing)
spearmont spp.	Laikspul (blue ell)		maiden prins (zing)
anthus gratianopolitanu	s Cheddar pinks	Dodonea viscosa	Hop bush
hinacea purpurea	Coneflower, purple (Magnus)	Elaeagnus pungens	Silverberry
onymus fortunei	Wintercreeper	Euonymus japonica	Japanese spindle tree; Evergreen euonymi
ommus kiautschovica	Constitution	Contribution	Japanese aralia
onymus klautschovica	Spreading euonymus	Fatsia japonica	Japanese aralia
rsythia Intermedia	Border forsythia	Forsythia suspense	Weeping forsythia
rsythia viridissima	Greenstem forsythia	Gaillantia spp.	Blanket flower (Goblin)
vdenia jasminoides	Gardenia, Cape-jasmine	Gentiana dahurica	Gentian
POCHUJOSHAHOUES	Galueria, cape jasinine	Gentiona donario	Gelloan
ranium cinereum	Cranesbill	Gladiolus spp.**	Gladiolus
psophila repens	Baby's breath	Hedera helix	English by
Santhemum spp.	Sunrose	Hemerocall's spp.	Daylily (Aztec gold, Stella d'Oro, Tender loy
biscus son.**	Rose of Sharon**	Hibiscus spp.	Mallow (Disco belle white)
systems spip		risoticus spp.	WHIOM (DISCO DEIN MUDE)
biscus Rosa-sinensis**	Chinese hibiscus**	Hosta plantaginea	Hosta, Plantain Illy
sieboldiana	Hosta (Searsucker)	Houttuynia cordata var. variego	ing.
drongea macrophylla	Bigleaf hydrangea	Nex cornuta**	Chinese holly**
	Japanese holly		Chinese nony
r crenata	Japanese nony	Лех ораса	American holly
v pernyi	Holly	Nex vomitoria	Yaupon holly
ula ensifolia		In's ensata	Sword-leaved iris (Jodlesong)
siberica	Siberian iris (Cabernet)	his spp.	þýs er
eminium nudiflorum	Winter jasmine	Auniperus chinensis	Chinese juniper (Nick's compact)
niperus conferta	Shore juniper (Blue Pacific)	Auniperus devunica	Juniper
niperus horizontalis	Creeping juniper	Augilans spp.*	Walnut*
sticia brandegeana	Shrimp plant	Lagerstroemia indica	Crape myrtle
sacia arantiegeanu	Similip plant	Lagerstroenta marca	Crape myrue
ntana montevidensis	Weeping lantana	Lavender spp.	Lavender (Munstead)
ontopodium alpinum	Edelweiss	Ligustrum amurense	Amur privet
justrum japanicum	Japanese privet	Ligustrum lucidum	Glossy privet (Wax-Leaf)
toni sin joponecum	anpairiese prives	Liganium ikcidam	Giossy prives (Max-Cent)
justrum sinense	Chinese privet (Variegata)	Lillum spp.	Lily (Jazz)
lope muscari	Liriope (Big blue, Lilyturf, Silver mound,	Liriope muscari var. variegata	Liriope, variegated
	Evergreen giant)	Liriope spicata	Liriope, creeping
bella cardinalis	Cardinal flower	Lanicera laponica	Japanese honeysuckle
			Japanese noneysuckie
nicera tatorica	Tatarian honeysuckle	Loropetalum chinense	Burgundy
thrum spp.	Loosestrife (Modern Pink)	Magnolia spp.**	Magnolia**
aleophora (uteola	ice plant	Malus spp.*	Crabapple*
awopriora ibietwa	Ke plant	warus spipt	Cranabbie.
scanthus sinensis	Yaku jima, Silberfeder	Nandina domestica	Heavenly bamboo
vcksus spp.**	Narcissus**	Nerium oleander	Oleander
ea europaea*	Olive*	Ophiopogon japonicus**	Mondo Grass**
manthus heterophyllus	Osmanthus; False holly (Gulf tide)	Osteospermum fruticosum	Trailing African Dalsy
monthus necesophysius	Osmaninus, raise nony (oun one)		maning wincan basy
ydendron luteum	Sourwood	Persea americana	Avocado*
otinia fraseri	Frasier's photinia; Redtip	Physostegia virginiana	False dragonhead (Vivid)
rea spp.**	Spruce species** (Colorado blue, Norway, etc.)	Pšeris japonica	Lily-of-the-valley shrub
nus brutia	Calabrian pine	Pinus conariensis	Canary island pine
NGS BYLIENG	Calabrian pine	Pinus conanensis	Canary stand pine
ous elVottii	Slash pine	Pinus halepensis	Aleppo pine
our niana	Austrian black pine	Pious polustris	Longleaf pine
nus radiate	Monterey pine	Plays strabus	Eastern white pine
nus ruoruse nus sylvestris	Scotch pine	Pinus taeda	Loblolly pine
nus synvestris	Scotch pine	Pinus taeda	Lobiotly pine
ous thunbergiona	Japanese black pine	Pinus virginiona	Virginia pine
tacia spp.*	Pistachio*	Pittosporum rhombifolium	Queensland pittosporum
tasparum tobira	Japanese pittosporum	Padocarpus macrophyllus	Japanese yew
105pterum socres	zapanese pritosporum	roducinpus macrogarymus	rapairese yen
inus faurocerasus	English laurel	Prunus spp.*	Almond, Apricot, Nectarine, Peach, Plum,
eudotsuga menziesii**	Douglas-fir**		and Prune*
racantha coccinea	Firethorn, scarlet	Pyracantha fortuneana	Firethorn
racantha koidzumii	Firethorn	Pyrus spp.	Bradford pear
racumma kondžiuma	rinemorn	rynus spp.	brautord pear
iercus rubra	Red oak	Quercus shumardii	Shumard oak
phiolepis Indica	Indian Hawthome	Rhododendron(including Azali	ea) Rhododendron & Azalea
sa banksine	Lady Bank's Rose	Advantage on proceeding Addition	(Coral Bells, Delaware valley white,
SO CONTRAINE			
smarinus officinalis*	Rosemary*		Flame creeper, George L. Tabor, PJM,
dbeckia spp.	Black-eyed Susan		Roseum Elegans, Formosa, Hino-crimson,
mohra adiantiformis	Leatherleaf Fern		Wakaebisu, Gumpo)
mound devanerorm's	Leatneriear Fern		waxaeoisu, Gumpo)
ntolina virens	Goldstrum Santolina		
xifraga spp.	Saxifrage, Purple dome	Sedom album	Stonecrop
dum caulicola	Stonecrop, likadense	Sedum dasyohyllum	Stonecrop
	Stonecrop, madense		
rygium paniculatum	Japanese boxcherry	Taxus cuspidata	Japanese yew
xus media	Yew	Teucnium spp.	Germander
alictrum dipterocarpum	Meadow rue	Thuja occidentalis	American arborvitae
	Star Jasmine	Tsuga canadensis	Canada hemlock
achelospermum asiatum			
йра эрр.	Tulip	Viburnum japonicum	Japanese viburnum
ownum odoratissimum	Sweet viburnum	Vibonium plicatum	Japanese snowball
ourreum rioldum	Canany Irland Mhurnum	Whymum tious	Laurustinus

STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a day, cool secured area. Do not contaminate water, floodstuffs, feed, or seed by storage or disposal.

PRODUCT DISPOSAL has a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

CONTAINEE DISPOSAL how refillation container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by inchestion of relianced by sate and facilial and authorities, by burning if burned stop out of smoke.



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SPREADER SETTINGS: Spreader settings vary by make and model of spreader, it is recommended that individual spreaders are calibrated for the specific product that is to be applied. Information on spreader make and model and suggested settings will be available at time of label printing. A walking speed of 3 miles per hour is recommended. ACCUPRO 2000 & 1000

	Earthway		LESCO		SCOTTS		PermaGreen		
5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	8,000 SQ.FT.
9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	6.2 LBS./M.
22	18	14	K or 24	J or 22	I or 20	N 1/2	M 1/2	NA	22 low gear 24 high gear
CBR, BIGFOOT					TC				
	CYCLONI	•	PRIZELAWN		N Spyker / Zspray				
5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	5,400 SQ.FT.	8,000 SQ.FT.	10,600 SQ.FT.	
9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	9.3 LBS. / M.	6.2 LBS./M.	4.7 LBS./M.	
	7			1/	-	-	,	,	

rate of 1.5 lb a. i./1000 sq. ft. (9.3 lb p