

RegalKade[®]

Weeds and Feeds in One Application

50

Specimen Label

RegalKade[®] 50 is a selective pre-emergent herbicide coated on a dry fertilizer carrier for control of crabgrass, annual bluegrass, foxtail, common chickweed, henbit, knotweed and prostrate spurge, and many other annual grass and broadleaf weeds in established turf, grasses and landscape ornamentals.

ACTIVE INGREDIENTS:

Prodiamine [N³, N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] 0.5%

INERT INGREDIENTS: 99.5%
TOTAL 100.0%

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container away from other fertilizer, feed or food stuffs and separated from other pesticides.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration if allowed by state and local authorities. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

KEEP OUT OF REACH OF CHILDREN CAUTION

Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

EPA REG. NO. 48234-5

EPA EST. NO. 48234-GA-1

NET WEIGHT 50 LBS.

Regal Chemical Company // Alpharetta Georgia



RegalKade 50

RegalKade® 50 is a selective pre-emergent herbicide (prodiamine) coated on a dry fertilizer carrier for control of crabgrass, annual bluegrass, foxtail, common chickweed, henbit, knotweed and prostrate spurge, and many other annual grass and broadleaf weeds in established turf grasses, lawns and landscape ornamentals.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. The material may cause allergic reactions in some individuals.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush thoroughly with water for several minutes. Get medical attention if irritation persists.

If on skin: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists.

If inhaled: Remove victim to fresh air.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

GENERAL INFORMATION

RegalKade 50 is a pre-emergent herbicide on a fertilizer carrier for dry application. It must be applied according to label recommendations in advance of weed seed germination. RegalKade 50 controls susceptible weeds by inhibiting growth of roots and shoots as the weed seeds germinate in turf and landscapes.

RegalKade 50 is intended for use on established turfgrasses to control many annual weeds. The maximum use rates vary according to specific turf species, and the optimum use rates depend on the weed species to be controlled. See tables under Directions For Use.

For most effective weed control RegalKade 50 must be incorporated by 1/2 inch of rainfall, irrigation or shallow mechanical incorporation. Incorporation should take place as soon as possible after application and should not be delayed past 14 days from the date of application.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with this product.

Do not apply this product through any type of irrigation system.

Do not apply aerially.

Do not apply to golf course putting greens.

APPLICATION DIRECTIONS

Apply RegalKade 50 at recommended rates with granular spreader equipment. Be sure spreader is properly calibrated and suitable for uniform application.

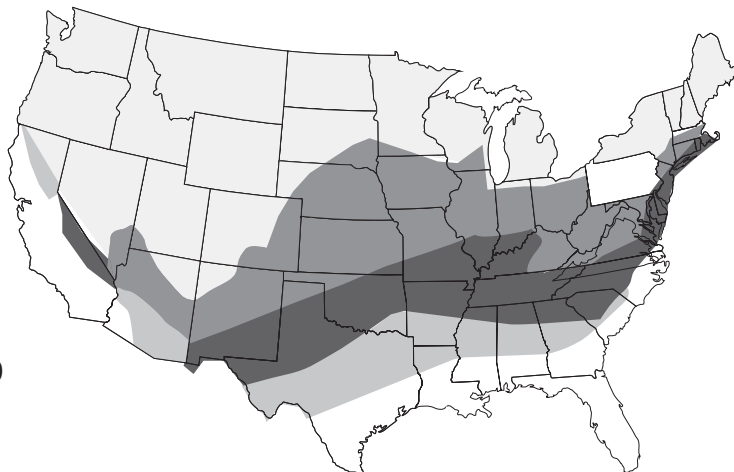
ESTABLISHED TURF

RegalKade 50 is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf. The species of turf grass determines the maximum amount of RegalKade 50 that may be applied during the year. Most effective weed control in turf grasses will be obtained when RegalKade 50 is activated by at least 1/2 inch of rainfall or irrigation within 14 days of application and prior to weed germination. See map below for approximate crabgrass germination dates.

CRABGRASS SEED GERMINATION DATES

Approximate Date

-  After May 30
-  After May 10
-  After April 20
-  After March 20
-  January 1 to March 20



USE PRECAUTIONS

The following use precautions apply to the use of this product in turf grasses and lawns:

Application of RegalKade 50 may thin emerged annual bluegrass and newly over-seeded grasses.

Do not apply to **OVERSEEDED TURF** for 60 days after seeding or until after the second mowing, which ever is longer. Injury to desirable seedling is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

Do not apply to newly set sod until the following year.

Application of RegalKade 50 to turf stressed by drought, low fertility, or pest damage may result in turf injury.

Disturbing the herbicide barrier with cultural practices, such as disking, may result in reduced weed control.

Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

MAXIMUM ANNUAL TURFGRASS RATES

RegalKade 50 should not be applied above a maximum annual rate of 300 lb/A.

TURF SPECIES AND RATES

For season long control RegalKade 50 may be applied as a single application, or if needed followed by a second application for increased length of control. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rate within the listed range for longer control. Longer control is desirable in areas where crabgrass germinates between January 1 and April 20 (See Crabgrass Seed Germination Data Map).

Select maximum use rate based on turf grass species. All applications must be made prior to germination of the target weed seeds. The product will not control established weeds.

MAXIMUM RATE/CALENDAR YEAR of RegalKade 50 by Turf Grass Species ¹		
Turf Species:	lb RegalKade 50/A	lb a.i./A
Bermudagrass Bahiagrass Centipedegrass Seashore Paspalum Tall Fescue (including turf-type) Zoysia	300	1.5
Buffalograss Kentucky Bluegrass Perennial Ryegrass	200	1.0
Creeping Red Fescue St. Augustinegrass	150	0.75
Creeping Bentgrass	132	0.65

¹These are the maximum rate per calendar year by species limitations.

Do not apply more than 300 lb/A of RegalKade 50 per calendar year.

*Use higher rates of RegalKade 50 to achieve higher levels of fertility and weed control for each turf type.

WEEDS CONTROLLED

When used at the recommended rates (see Turf Species and Rates Table) this product will control:

Barnyardgrass	Rescuegrass ³	Lambsquarter, Common
Bluegrass, Annual (<u>Poa annua</u>)	Signalgrass, Broadleaf	Pigweed
Crabgrass (large,smooth)	Carpetweed	Purslane, Common
Foxtails, Annual	Chickweed, Common	Shepard's-purse ²
Goosegrass ¹	Henbit	Spurge, Prostrate
Johnsongrass (from seed)	Knotweed	Woodsorrel, Yellow (from seed)

Do not exceed the maximum annual application rates recommended for the turf species. All applications must be made prior to germination of weed seeds. This product will not control established weeds.

¹In many areas a single application of 132 to 150 lb/A of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, apply an initial treatment of 150 lbs/Acre followed after 60 days with a second treatment of 50 to 150 lbs/Acre for season long goosegrass control.

²Winter weeds are best controlled by application made prior to germination: late summer, fall or winter timings.

³Suppression only.

OVERSEEDING/RESEEDING

RegalKade® 50 will inhibit the germination of turf species if overseeding/reseeded too soon after application. The interval between application and overseeding/reseeding is dependent on the application rate, soil temperature, and soil moisture. A shorter interval is possible if growing conditions are warm and wet, while a longer interval is needed if conditions are cool and dry. Use the Overseeding/Reseeding Intervals Table below as a guide when choosing the appropriate overseeding/reseeding interval for each situation.

OVERSEEDING/RESEEDING INTERVALS TABLE

RegalKade 50 (lb/A)	Overseeding/Reseeding Interval (months) Based Upon Seeding Method and Predominant Soil Conditions for the Season			
	Broadcast Seeding		Drill Seeding	
	Wet and Warm	Cool and Dry	Wet and Warm	Cool and Dry
100	4	6	3	4
200	8	12	6	8
300	12	18	9	12

LANDSCAPE ORNAMENTALS (including Perennial and Wildflower Plantings)

RegalKade 50 may be applied for residual preemergence weed control in ornamentals.

USE RATES: Apply RegalKade 50 at 132 to 300 lb/A in fall and/or spring. Use the higher rate of application for longer control periods. Sequential or single applications are allowed so long as the total amount of product applied does not exceed the maximum annual application rate of 300 lb/A.

APPLICATION TIMING AND INFORMATION: Apply RegalKade 50 prior to weed seed germination to the soil surface surrounding established tolerant ornamentals listed below. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply this product after cuttings form roots and become established.

RegalKade 50 is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 in. of rainfall or irrigation, or with shallow (1 to 2 in.) mechanical incorporation, before weed seeds germinate. Acceptable control will be obtained when this product is activated within 14 days after application.

Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

TOLERANT ORNAMENTAL SPECIES

RegalKade 50 will not harm most established ornamental trees, shrubs and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species without injury.

Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
Acer palmatum	Japanese Maple	Gardenia jasminoides	Gardenia, Cape-Jasmine	Pittosporum rhombifolium	Queensland Pittosporum
A. platanoides	Norway Maple	Hedera helix	English Ivy	P. tobira	Japanese Pittosporum
Actinidia chinensis	Kiwi*	Hibiscus rosa-sinensis	Chinese Hibiscus	Podocarpus macrophyllus	Japanese Yew
Agapanthus africanus	Lily-of-the-Nile	Ilex cornuta	Chinese Holly	Prunus laurocerasus	English Laurel
Arctostaphylos densiflora	Vine Hill Manzanita	I. crenata	Japanese Holly	Prunus sp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Arctotheca calendula	Cape Weed	I. opaca	American Holly		Firethorn
Aucuba japonica	Japanese Aucuba	I. pernyi	Holly	Pyracantha coccinea	Firethorn
Barberis gladyensis	Barberry	Jasminum nudiflorum	Winter Jasmine	P. fortuneana	Firethorn
B. julianae	Wintergreen Barberry	Juniperus chinensis	Chinese Juniper	P. koidzumii	Firethorn
B. mentorensis	Mentor Barberry	J. conferta	Shore Juniper	Pyrus sp.	Bradford Pear sp.
B. thunbergii	Japanese Barberry	J. horizontalis	Creeping Juniper	Quercus rubra	Red Oak
B. verruculosa	Warty Barberry	Juglans sp.	Walnut*	Raphiolepis indica	Indian Hawthorne
Buxus microphylla	Japanese Boxwood	Justicia brandegeana	Shrimp Plant	Rhododendron	'Coral Bells'
Callistemon viminalis	Weeping Bottlebrush	Lagerstromia indica	Crepe Myrtle	(including Azalea)	'Formosa'
Calluna vulgaris	Scotch Heather	Ligustrum amurense	Amur Privet		'Hino-crimson'
Carpobrotus edulis	Hottentot Fig (Ice Plant)	L. japonicum	Japanese Privet		'PJM'
Cassia artemisoides	Feathery Cassia	L. lucidum	Glossy Privet	Rosa banksiae	'Roseum Elegans'
Ceanothus rigidus	Wild Lilac	Liriope muscari	Big Blue Lily Turf	Rosmarinus officinalis	Lady Bank's Rose
Chamaecyparis pisifera	Faise Cypress	Lonicera japonica	Japanese Honeysuckle	Santolina virens	Rosemary
Cleyera japonica	Cleyera	L. tatarica	Tatarian Honeysuckle	Sedum album	Stonecrop
Citrus spp.	Citrus species*	Maleophora luteola	Ice Plant	Syzygium paniculatum	Japanese Boxcherry
Cornus florida	Flowering Dogwood	Malus sp.	Crabapple*	Taxus cuspidata	Japanese Yew
C. stolonifera	American Dogwood	Nandina domestica	Heavenly Bamboo	T. media	Yew
Cortaderia selloana	Pampas Grass	Olea europae	Olive*	Thuja occidentalis	American Arborvitae
Cotoneaster apiculatus	Cranberry Cotoneaster	Ophiopogon japonicus	Mondo Grass	Trachelospermum asiaticum	Star Jasmine
C. buxifolius	Cotoneaster	Osteospermum fruticosum	Trailing African Daisy	Tsuga canadensis	Canada Hemlock
C. dammeri	Bearberry Cotoneaster	Oxydendrum arboreum	Sourwood	Viburnum japonicum	Japanese Viburnum
C. microphyllus	Rockspray Cotoneaster	Persea americana	Avocado*	V. odoratissimum	Sweet Viburnum
Cretaeus spp.	Hawthorne*	Photinia fraseri	Frasier's Photinia	V. plicatum	Japanese Snowball
Cupressus sempervirens	Italian Cypress	Picea abies	Norway Spruce	V. rigidum	Canary Island Viburnum
Delaspermia alba	White Trailing Ice Plant	Pieris japonica	Lily-of-the-Valley Shrub	V. tinus	Laurustinus
Dodonea viscosa	Hop Bush	Pinus brutia	Calabrian Pine	V. trilobum	Cranberry Bush
Elaeagnus pungens	Silverberry	P. canariensis	Canary Island Pine	V. wrightii	
Euonymus fortunei	Wintercreeper	P. halepensis	Aleppo Pine	Vince minor	Dwarf Periwinkle
E. japonica	Evergreen Euonymus	P. nigra	Austrian Black Pine	Vitis sp.	Grape*
E. klautschovica	Spreading Euonymus	P. radiata	Monterey Pine	Weigela florida	Old Fashioned Weigela
Fatsia japonica	Japanese Aralia	P. thunbergiana	Japanese Black Pine	Yucca aloifolia	Spanish Bayonet
Forsythia intermedia	Boder Forsythia	P. strobus	Eastern White Pine	Y. filamentosa	Yucca, Adam's Needle
F. viridissima	Greenstem Forsythia	P. sylvestris	Scotch Pine		
		Pistachio sp.	Pistachio*		

*Ornamental species only. Do not use on food producing trees or vines.

REGAL CHEMICAL COMPANY Alpharetta, Georgia 30006

Regal Chemical Company warrants that this product conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this product is reasonably fit for its intended purpose. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of the product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The use assumes all risks of any such use.

REGALKADE® 37

Weeds and Feeds in One Application

ACTIVE INGREDIENTS:

Prodiamine [2,4-dinitro-N3,N3-dipropyl-6-(trifluoromethyl)-1,3-benzenediamine] 0.37%

OTHER INGREDIENTS:99.63%

TOTAL 100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

RegalKade® 37 is a pre-emergent herbicide (prodiamine) coated on a dry fertilizer carrier for control of crabgrass, annual bluegrass, foxtail, common chickweed, henbit, knotweed and prostrate spurge, and many other annual grass and broadleaf weeds in established turfgrasses, lawns and landscape ornamentals.

EPA Reg. No. 48234-6

EPA Est No. 48234-GA-I



Regal Chemical Company // Alpharetta, GA 30004

FIRST AID	
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-621-5208 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

If material is spilled. Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water in remainder; discard under; cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, whether directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

NOT for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. **DO NOT** graze or feed livestock forage cut from areas treated with this product.

DO NOT apply this product through any type of irrigation system.

DO NOT apply aerially.

DO NOT apply to golf course putting greens.

GENERAL INFORMATION

RegalKade 37 is a pre-emergent herbicide on a fertilizer carrier for dryadvance of weed seed germination. RegalKade 37 controls susceptible weeds by inhibiting growth of roots and shoots as the weed seeds germinate in turf and landscapes.

RegalKade 37 is intended for use on established turfgrasses to control many annual weeds. The maximum use rates vary according to specific turf species, and the optimum use rates depend on the weed species to be controlled. For most effective weed control RegalKade 37 must be incorporated by 1/2 inch of rainfall, irrigation or shallow mechanical incorporation. Incorporation should take place as soon as possible after application and should not be delayed past 14 days from the date of application.

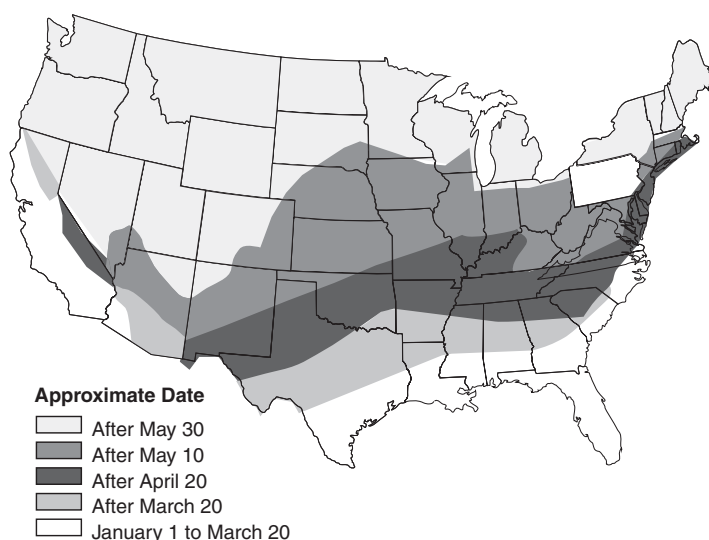
APPLICATION DIRECTIONS

Apply RegalKade 37 at recommended rates with granular spreader equipment. Be sure spreader is properly calibrated and suitable for uniform application.

ESTABLISHED TURF

RegalKade 37 is a pre-emergence herbicide that, when properly applied, will control grass and broadleaf weeds in established turf as listed on this label. The species of turfgrass determines the maximum amount of RegalKade 37 that may be applied during the year. Most effective weed control in turfgrasses will be obtained when RegalKade 37 is activated by at least 1/2 inch of rainfall or irrigation within 14 days of application and prior to weed germination, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application. See map below for approximate crabgrass germination dates.

CRABGRASS SEED GERMINATION DATES



USE PRECAUTIONS

The following use precautions apply to the use of this product in turfgrasses and lawns:

- Application of RegalKade 37 may thin emerged annual bluegrass and newly over-seeded grasses.
- **DO NOT** apply to OVERSEEDED TURF for 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedling is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.
- **DO NOT** apply to newly set sod until the following year.
- Application of RegalKade 37 to turf stressed by drought, low fertility, or pest damage may result in turf injury. Disturbing the herbicide barrier with cultural practices, such as disking, may result in reduced weed control.
- **DO NOT** apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

MAXIMUM ANNUAL TURFGRASS RATES

RegalKade 37 must not be applied above a maximum annual rate of 405 lbs product/A (1.5 lbs. a.i./A).

TURF SPECIES AND RATES

For season long control RegalKade 37 may be applied as a single application, or if needed followed by a second application for increased length of control. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rate within the listed range for longer control. Longer control is desirable in areas where crabgrass germinates between January 1 and April 20 (See Crabgrass Seed Germination Dates Map).

Select maximum use rate based on turfgrass species. All applications must be made prior to germination of the target weed seeds. The product will not control established weeds.

MAXIMUM RATE/CALENDAR YEAR of RegalKade 37 by Turfgrass Species ¹ Table		
Turf Species:	Lbs. RegalKade 37/A	Lbs. ai/A
Bermudagrass	405	1.5
Bahiagrass		
Centipedegrass		
Seashore Paspalum		
Tall Fescue (including turf-type)		
Zoysia		
Buffalograss	270	1.0
Kentucky Bluegrass		
Perennial Ryegrass		
Creeping Red Fescue	203	0.75
St. Augustinegrass		
Creeping Bentgrass	175	0.65

¹These are the maximum rate per calendar year by species limitations.

- Do not** apply more than 405 lbs. RegalKade 37 per calendar year:
- Use higher rates of RegalKade 37 to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the MAXIMUM RATE/CALENDAR YEAR of RegalKade 37 by Turfgrass Species Table.

WEEDS CONTROLLED

When used at the recommended rates (see MAXIMUM RATE/CALENDAR YEAR of RegalKade 37 by Turfgrass Species Table) this product will control:

Barnyardgrass	Knotweed
Bluegrass, Annual (Poa annua)	Lambsquarter; Common
Carpetweed	Pigweed
Chickweed, Common	Purslane, Common
Crabgrass (large, smooth)	Rescuegrass ³
Foxtails, Annual	Shepherd's Purse ²
Goosegrass ¹	Signalgrass, Broadleaf
Henbit	Spurge, Prostrate
Johnsongrass (from seed)	Woodsorrel, Yellow (from seed)

¹In many areas a single application of 175 to 405 lb/A of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, apply an initial treatment of 175 to 270 lbs/A followed after 60 to 90 days by a second application. Do not exceed the maximum rate for turfgrass species listed in the MAXIMUM RATE/CALENDAR YEAR of RegalKade 37 by Turfgrass Species Table.

²Winter weeds are best controlled by application made prior to germination: late summer; fall or winter timings.

³Suppression only.

Sequential applications may be made as long as the total amount of product applied does not exceed the maximum annual application rates recommended for the turf species. All applications must be made prior to germination of weed seeds. This product will not control established weeds.

OVERSEEDING/RESEEDING

RegalKade 37 will inhibit the germination of turf species if overseeding/reseeded too soon after application. The interval between application and overseeding/reseeding is dependent on the application rate, soil temperature, and soil moisture. A shorter interval is possible if growing conditions are warm and wet, while a longer interval is needed if conditions are cool and dry.

Use the Overseeding/Reseeding Intervals Table below as a guide when choosing the appropriate overseeding/reseeding interval for each situation.

WHEN TO APPLY AFTER OVERSEEDING TURF

DO NOT apply to overseeded turf within 60 days after seeding or until the second mowing, whichever is longer. Injury to desirable seedlings is likely if RegalKade 37 is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

RegalKade 37 will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

OVERSEEDING/RESEEDING INTERVALS TABLE

REGALKADE 37 Rate (lb/A)		Months Before Overseeding		
Lbs. RegalKade 37	A.I.	North	Transition	South
135	.50	4	4	4
175	.65	5	4	4
203	.75	6	5	5
215	.80	—	6	6
270	1.00	—	7	7
308	1.14	—	—	9
350	1.30	—	—	10
405	1.50	—	—	12

LANDSCAPE ORNAMENTALS

(including Perennial and Wildflower Plantings) RegalKade 37 may be applied for residual pre-emergence weed control in ornamentals.

USE RATES: Apply RegalKade 37 at 175 to 405 lb/A in fall and/or spring. Use the higher rate of application for longer control periods. Sequential or single applications are allowed so long as the total amount of product applied does not exceed the maximum annual application rate of 405 lb/A.

APPLICATION TIMING AND INFORMATION: RegalKade 37 is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 in. of rainfall or irrigation, or with shallow (1 to 2 in.) mechanical incorporation, before weed seeds germinate. Acceptable control will be obtained when this product is activated within 14 days after application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate post-emergence herbicide.

ESTABLISHED LANDSCAPE ORNAMENTALS: RegalKade 37 may be applied at any time 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 RegalKade 37 in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS: RegalKade 37 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 thoroughly before applying RegalKade 37. Apply RegalKade 37 after cutting form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union.

TOLERANT ORNAMENTAL SPECIES

RegalKade 37 will not harm most established ornamental trees, shrubs and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort

to get uniform distribution on the soil surface. RegalKade 37 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 RegalKade 37.

Scientific Name	Common Name
Abies spp.	Fir Species** (balsam, Fraser, Nobel, etc.
Abelia grandiflora	Abelia: Sherwood
Acer palmatum	Japanese Maple
A. platanoides	Norway Maple
Acililea sp.	Yarrow: King Edward
Actinidia chinensis	Kiwi*
Agapanthus africanus	Lily-of-the-Nile (African Lily)
Agapanthus Orientalis	
Akebia quinata	Five-Leaf or Chocolate Vine
Allium cernuum	Lady's Leek, Nodding Onion
Anemone hybrida	Japanese Anemone
Aquilegia sp.	Aquilegia: Red and Gold
Arctostaphylos densiflora	Vine Hill Manzanita
Arctotheca calendula	Cape Weed
Artemisia sp.	Wormwood; Silver Mound, Castle
Aster sp.	Aster: Bonny Blue, Purple Dome
Aster X Frikartii	
Athrium Filiz-femina	Lady Fern; Fern Lady
Scientific Name	Common Name
Aucuba japonica	Japanese Aucuba
Begonia sp.	Fibrous Begonia: Hardy Grandis
Berberis gladwynensis	Barberry
B. Julianae	Wintergreen Barberry
B. mentorensis	Mentor Barberry
B. Thunbergii	Japanese Barberry
B. verruculosa	Warty Barberry
Bergenia cordifolia	
Boltonia asteroides	Snowbank
Bougainvillea sp.	Bougainvillea
Buddleia davidii	Butterfly-Bush (Dwarf Blue); Royal Red
Buxus microphylla	Japanese Boxwood
Callistemon viminalis	Weeping Bottlebrush
Calluna vulgaris	Scotch Heather
Campanula carpatica	Tussock Bellflower; (White Clips)
Campis X Tagliabuana	Trumpet Creeper; Trumpet Flower; Madame Galen
Carpobrotus edulis	Hottentrot Fig (Ice Plant)
Cassia artemisoides	Feathery Cassia
Ceanothus rigidus	Wild Lilac
Ceratostigma plumbagonoides	
Chamaecyparis pisifera	False Cypress
Chrysanthemum nipponicum	
Cleyera japonica	Cleyera
Citrus spp.	Citrus species*
Coreopsis sp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
Cornus florida	Flowering Dogwood
C. stolonifera	American Dogwood
Cortaderia selloana	Pampas Grass

Scientific Name	Common Name
Cotoneaster apiculatus	Cranberry Cotoneaster
C. buxifolius	Cotoneaster
C. Dammeri	Bearberry Cotoneaster
C. microphyllus	Rockspray Cotoneaster
Cretaeus spp.	Hawthorne
Crocsmia sp.	Lucifer
Cupressus sempervirens	Italian Cypress
Delosperma alba	White Trailing Ice Plant
Delosperma sp.	Cooperi Pink
Delphinium sp.	Larkspur: Blue Elf
Dianthus deltoideus	Dianthus; Maiden Pinks "Zing"
D. gratianopolitanus	Cheddar Pink
Dodonea viscosa	Hop Bush
Echinacea purpurea	Coneflower; Purple; Mangu
Elaeagnus pungens	Silverberry
Euonymus Fortunei	Wintercreeper
E. japonica	Japanese Spindle Tree (Evergreen Euonymus)
E. kiautschovica	Spreading Euonymus
Fatsia japonica	Japanese Aralia
Forsythia intermedia	Border Forsythia
Forsythia suspensa	Weeping Forsythia
Scientific Name	Common Name
F. viridissima	Greenstem Forsythia
Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"
Gardenia jasminoides	Gardenia, Cape-Jasmine, Radicans
Gaura sp.	
Gentiana dahurica	Gentian
Geranium cinereum	Cranesbill
Gladiolus spp.	Gladiolus species**
Gypsophila repens	Baby's Breath
Hedera helix	English Ivy
Hellanthemum sp.	Sunrose
Hemerocallis sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
Hibiscus	Rose of Sharon**
Hibiscus sp.	Mallow: Disco Belle White
Hibiscus Rosa-sinensis	Chinese Hibiscus
Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
H. Sieboldiana	Hosta, "Searsucker"
Houttuynia cordata var. variegata	
Hydrangea macrophylla	Bigleaf Hydrangea
Ilex Bernyi	Holly
Ilex cornuta	Chinese Holly
I. crenata	Japanese Holly: Helleri
I. opaca	American Holly
I. vomitoria	Yaupon Holly: Schillings
Inula ensifolia	
Iris ensata	Sword-Leaved Iris; Jodlesong
Iris siberica	Siberian Iris; Cabernet

Scientific Name	Common Name
Iris spp.	Iris species**
Jasminum nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsoni
J. conferta	Shore Juniper; Blue Pacific
J. davurica	Parsoni
J. horizontalis	Creeping Juniper
Juglans sp.	Walnut*
Justicia brandegeana	Shrimp Plant
Lagerstromia indica	Crape Myrtle
Lagerstromia indica X Faurei	Crape Myrtle; Tuscarora
Lantana montevidensis	Weeping Lantana
Lavender sp.	Lavender; Munstead
Leontopodium alpinum	Edelweiss
Ligustrum sinense	Chinese Privet; Variegata
Ligustrum amurense	Amur Privet
L. japonicum	Japanese Privet
L. lucidum	Glossy Privet (Waxleaf)
Lilium sp.	Lily: Jazz
Liriope Muscari	Big Blue Lily; Turf; Silver Mound; Evergreen Giant
Liriope Muscari var. variegata	Liriope; Variegated
Liriope spicata	Liriope, Creeping
Lobelia cardinalis	Cardinal Flower; Indian Pink
Lonicera japonica	Japanese Honeysuckle
Scientific Name	Common Name
L. tatarica	Tatarian Honeysuckle
Loropetalum chinense	Burgundy
Lythrum sp.	Loosestrife; Modern Pink
Magnolia spp.	Magnolia species**
Maleophora luteola	Ice Plant
Malus sp.	Crabapple*
Miscanthus sinensis	Yaku Jima, Silberfeder
Nandina domestica	Heavenly Bamboo
Narcissus spp.	Narcissus species**
Nerium oleander	Oleander
Olea europea	Olive*
Ophiopogon japonicus	Mondo Grass
Osmanthus heterophyllus	Osmanthus (False Holly): Gulf Tide
Osteospermum fruticosum	Trailing African Daisy
Oxydendrum arboreum	Sourwood
Paeonia suffruticosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Persea americana	Avocado*
Photina Fraseri	Fraser's Photinia (Redtip)
Physotegia Virginiana	Dragonhead, False; Vivid
Picea spp.	Spruce species** (Colorado Blue, Norway, etc.)

Scientific Name	Common Name
<i>Pieris japonica</i>	Lily-of-the-valley Bush
<i>Pinus brutia</i>	Calabrian Pine
<i>P. canariensis</i>	Canary Island Pine
<i>P.elliotti</i>	Slash Pine
<i>P.halepensis</i>	Aleppo Pine
<i>P.nigris</i>	Austrian Pine
<i>P.palustris</i>	Longleaf Pine
<i>P.radiata</i>	Monterey Pine
<i>P.Thunbergiana J</i>	apanese Black Pine
<i>P.strobus</i>	Eastern White Pine
<i>P.sylvestris</i>	Scotch Pine
<i>P.taeda</i>	Loblolly Pine
<i>P.virginiana</i>	Virginia Pine
<i>Pistachio sp.</i>	Pistachio*
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>P.tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus Laurocerasus</i>	English Laurel
<i>Prunus sp.</i>	Almond, Apricot, Nectarine, Peach, Plum and Prune*
<i>Pseudotsuga Menziesii</i>	Douglas Fir**
<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>P.Fortuneana</i>	Firethorn
<i>P.Koidzumii</i>	Forethorn

Scientific Name	Common Name
<i>Pyrus sp.</i>	Bradford Pear sp.
<i>Quercus Shumardii</i>	Oak, Shumard's Red
<i>Quercus spp.</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Ralphiolepis umbellata</i>	Yedda Hawthorn
<i>Rhododendron (including azalea)</i>	'Coral Bells', 'Delaware Valley White', 'Flame Creeper', 'Formosa', 'Girard Crimson', 'George L. Tabor', 'Hi-no-crimson', 'PJM', 'Roseum Elegans', 'Wakeiebsiu', 'White Gumbo'
<i>Rosa Banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary*
<i>Rudbeckia sp.</i>	Black-Eyed Susan; Goldstrum
<i>Santolina virens</i>	Santolina
<i>Saxifraga sp.</i>	Saxifrage; Purple Dome
<i>Scabiosa sp.</i>	Pincushion Flower
<i>Sedum album</i>	Stonecrop
<i>Sedum cauticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea Bumalda</i>	Spirea; Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushberry
<i>Taxus cuspidata</i>	Japanese Yew
<i>T. media</i>	Yew
<i>Teucrium sp.</i>	Germander

Scientific Name	Common Name
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa spp.</i>	Tulip species
<i>Veronica sp.</i>	Veronica, Speedwell; Sunny Border
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>V.odoratissimum</i>	Sweet Viburnum
<i>V.plicatum</i>	Japanese Snowball
<i>V.rigidum</i>	Canary Island Viburnum
<i>V.suspensum</i>	Arrowwood Viburnum
<i>V. tinus</i>	Laurustinus
<i>V. trilobium</i>	Cranberry Bush
<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Greater Periwinkle, Vinca
<i>Vinca minor</i>	Common Periwinkle, Vinca
<i>Vitis sp. Grape*</i>	
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet, Yucca
<i>Y. filamentosa</i>	Adam's Needle, Yucca

*Ornamental species only. Do not use on food producing trees or vines.

STORAGE AND DISPOSAL

Do not contaminate water; food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container away from other fertilizer; feed, or food stuffs and separated from other pesticides.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

STORAGE: Store in original container away from other fertilizer; feed, or food stuffs and separated from other pesticides.

DISPOSAL: If empty: **DO NOT** reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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