



16-0-8 with 0.28% Prodiamine

For Selective Preemergence Control of Weed Grasses and Broadleaf Weeds in all Established Turf Grasses, Lawns, Golf Course Fairways, and Sod Farms, (not for putting greens). Also for Preemergence Weed Control Around Landscape Ornamentals Including Established Perennials and Wildflower Plantings.

ACTIVE INGREDIENT:	Prodiamine*	0.28%
OTHER INGREDIENTS:		99.72%
	TOTAL	100.00%

*CAS (29091-21-2)
EPA Reg. No. 7001-384
EPA Est. No. 69759-OR-4

KEEP OUT OF REACH OF CHILDREN CAUTION

GUARANTEED ANALYSIS:	
TOTAL NITROGEN (N).....	16.00%
16.00% Urea Nitrogen	
SOLUBLE POTASH (K ₂ O).....	8.00%
Calcium (Ca).....	11.00%
Magnesium (Mg).....	6.00%
Derived from Urea, Muriate of Potash, Limestone and Dolomite.	

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. Prolonged or frequent repeated skin contact while handling the material may cause allergic reactions in some individuals

READ ENTIRE LABEL BEFORE USING

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> 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.
IF ON SKIN:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. 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, and then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment 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 the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment advice.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicator and other handlers must wear long-sleeved shirt and long pants; chemical resistant gloves; shoes plus socks; a dust mask and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 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 limits 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 wash water.

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, either 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on the farms, forests, and nurseries and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (sod farms, commercial nurseries).

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical resistant gloves, such as butyl rubber > 14 mils or nitrile rubber >14 mils or Nitrile rubber >14 mils.
- Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, forests, or nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, chemical resistant gloves, shoes with socks, and protective eyewear. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Launder exposed clothing before reuse. Do not allow reentry to treated areas until dusts have settled and the turf grass or soil is dry.

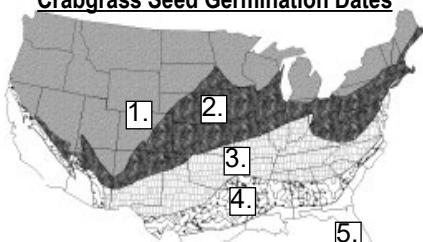
This product is a turf fertilizer and a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses, golf courses (excluding putting greens), for sod farms, and lawns, and around landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. 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. Do not apply otherwise.

ESTABLISHED TURF

Crabgrass Seed Germination Dates



APPROXIMATE DATES:	Region	After
1.	Mid-north & northwestern	May 30
2.	Upper/mid-states & northeast	May 10
3.	Lower mid-states	April 20
4.	Upper southern states	Mar 20
5.	Warm season states	Jan 1 to Mar 20

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds listed below in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates Chart of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map 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 seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

RATES OF APPLICATION

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 weeds listed below. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of "residual preemergence weed control" provided by this product is related to the rate applied.

Turf Species	Lbs. Product/ Acre	Lbs. A.I./Acre
Creeping Bentgrass	232 lbs.	0.65 lb.
Creeping Red Fescue	267 lbs.	0.75 lb.
Buffalograss	357 lbs.	1.00 lb.
Kentucky Bluegrass	"	"
Perennial Ryegrass	"	"
Bermudagrass (2)	535 lbs.	1.50 lbs.
Bahiagrass	"	"
Centipedegrass	"	"
Seashore Paspalum	"	"
St. Augustinegrass	"	"
Tall Fescue (including turf type)	"	"
Zoysia	"	"

(1) These are the maximum rates per calendar year by species limitations.
(2) May be used on newly-sprigged or plugged Bermudagrass at rates not to exceed 185 lbs./A. Newly-sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuesgrass due to reduced product rates used in sprigging situations.
•Do not apply more than 535 lbs. of this product to the same area per calendar year.
•Use higher rates of this product 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 Annual Rates Chart

WEEDS CONTROLLED

When used in accordance with this label, this product will provide control of the following weeds: Barnyardgrass; Bluegrass, Annual (*Poa Annua*); Carpetweed; Chickweed, Common; Chickweed,

Mouseear (*from seed*); Crabgrass (*Large, Smooth*); Crowfootgrass; Cupgrass, Woolly; Foxtails, Annual; Goosegrass (1); Henbit; Itchgrass; Johnsongrass (*from seed*); Junglerice; Knotweed; Kochia; Lambsquarter, Common; Lovegrass; Panicum (Texas, Fall, Browntop); Pigweed; Purslane, Common; Pusley, Florida; Rescuesgrass (3); Shepherd's purse (2); Signalgrass, Broadleaf, Speedwell, Persian; Sprangletop; Spurge, Prostrate; Witchgrass; Woodsorrel, Yellow (*from seed*).

(1) In many areas a single application of 232 to 535 lbs. per acre will control goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 232 to 357 lbs. per acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates Chart. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates Chart on this label.

(2) Application for Shepherd's purse should be made in late summer, fall, or winter prior to germination.

(3) Suppression only of rescuesgrass. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

WHEN TO: APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus 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 table below for best overseeding and/or reseeding results.

Product Rate Lbs./Acre	Months Before Overseeding			
	A. I./Acre	North	Transition	South
178	0.50	4	4	4
232	0.65	5	4	4
267	0.75	6	5	5
285	0.80	-	6	6
357	1.00	-	7	7

Application Equipment and Spreader Settings

The size and bulk density of granules in this product may vary; therefore, calibrate your granular applicator prior to application of this product. Follow directions in the owner's manual for calibrating your spreader.

LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED WILD FLOWER PLANTINGS

This product may be applied for residual preemergence weed control in Ornamentals as listed.

Use Rates

Apply at 232 to 535 lbs. per acre (5.33 lbs. to 12.30 lbs. per 1,000 sq. ft.) of landscape plants, in fall and/or spring. Use the higher rates of application for longer control periods. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 535 lbs. per acre

Application Timing and Information

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. Calibrate your applicator to assure appropriate dosage as described above under "Use Rates", prior to application. Calibrate your applicator as described in the owner's manual. The bulk density of this product may vary; therefore, to assure that the product is applied at the rates described, you must use a calibrated applicator. This product 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 1/2 inch of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

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 this product in 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 thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union. Irrigate after application as directed above.

Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines and flowers. The species listed here 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. When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.

For Use Around Landscape Ornamentals, Including Established Perennials And Wildflowers, As Listed.

Abies spp. Fir species** (Balsam, Fraser, Noble, etc.); Abelia grandiflora Abelia; Sherwood; Acer palmatum Japanese Maple; Acer platanoides Norway Maple; Achillea 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 Fillz-femina Lady Fern; Fern Lady; Aucuba japonica Japanese Aucuba; Begonia sp. Fibrous Begonia; Hardy Grandis Barberr; Berberis gladywynensis Wintergreen; Berberis julianae Barberr; Berberis mentronensis Mentor Barberr; Berberis thunbergii Japanese Barberr; Berberis verruculosa Warty Barberr; Bergenia cordifolia Heartleaf Bergenia; Boltonia asteroides Snowbank; Bougainvillea spp. 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); Campsis X Tagliabuana Trumpet Creeper, Trumpet Flower, Madame Galen; Carpobrotus edulis Hottentot Fig (Ice Plant); Cassia artemisioides Feathery Cassia; Ceanothus rigidus Wild Lilac; Ceratostigma plumaginoides Blue Leadwood; Chamaecyparis pisifera False Cypress; Chrysanthemum nipponicum Nippon Daisy; Montauk Daisy; Clecyra japonica Clecyra; Citrus spp.* Citrus species*; Coreopsis sp. Coreopsis (Challopopsis); Early Sunrise, Moonbeam; Cornus florida Flowering Dogwood; Cornus stolonifera American Dogwood; Cortaderia selloana Pampas Grass; Cotoneaster apiculatus Cranberry Cotoneaster; Cotoneaster buxifolius Cotoneaster; Cotoneaster dammeri Bearberry Cotoneaster; Cotoneaster microphyllus Rocksparg Cotoneaster; Crataegus sp. Hawthorn; Crocosmia 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"; Dianthus gratianopolitanus Cheddar Pink; Dodonea viscosa Hop Bush; Echinacea purpurea Coneflower, Purple; Magnus; Eleaagnus pungens Silverberry; Euonymus fortunei Wintercreeper; Euonymus japonica Japanese Spindle Tree (Evergreen Euonymus); Euonymus kiautschovica Spreading Euonymus; Fatsia japonica Japanese Aralia; Forsythia intermedia Border Forsythia; Forsythia suspensa Weeping Forsythia; Forsythia 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; Helianthemum sp. Sunrose; Hemerocallis sp. Daylily; Jazzy Blue Lily; Turf; Liriope muscarii Silver Mound; Evergreen Giant; Liriope muscarii var. variegata Liriope, Variegated; Liriope spicata Liriope, Creeeping; Lobelia cardinalis Cardinal Flower, Indian Pink; Lonicera japonica Japanese Honeysuckle; Lonicera tatarica Tatarian Honeysuckle; Loropetalum chinense Burgundy; Lythrum sp. Loosestrife; Modern Pink; Magnolia spp.** Magnolia species**; Maleophora laticora Ice Plant; Malus sp.* Crabapple; Miscanthus sinensis Yaku Jima; Silfbereder; Nandina domestica Heavenly Bamboo; Narcissus spp.** Narcissus species**; Nerium oleander Oleander; Olea europaea* Olive*; Ophiopogon japonicus Mondo Grass; Osmanthus heterophyllus Osmanthus (False Holly); Gulf Tide; Osteospermum fruticosum Trailing African Daisy; Oxycandron arboreum Sourwood; Paeonia suffruticosa Tree Peony; Pennisetum setaceum Fountain Grass (Dwarf); Perovskia anglicifolia Russian Sage; Persea americana* Avocado*; Photinia fraseri Fraser's Photinia (Redtip); Physostegia virginiana Dragonhead, False; Vivid; Picea spp.** Spruce species** (Colorado Blue, Norway, etc.); Pieris japonica Lily-of-the-Valley Bush; Pinus brutia Calabrian Pine; Pinus canariensis Canary Island Pine; Pinus elliottii Slash Pine; Pinus halepensis Aleppo Pine; Pinus nigra Austrian Pine; Pinus palustris Longleaf Pine; Pinus radiata Monterey Pine; Pinus thunbergiana Japanese Black Pine; Pinus strobus Eastern White Pine; Pinus sylvestris Scotch Pine; Pinus taeda Loblolly Pine; Pinus virginiana Virginia Pine; Pistacia sp.* Pistachio*; Pittosporum rhombifolium Queensland Pittosporum; Pittosporum tobira Japanese Pittosporum; Podocarpus macrophyllus Japanese Yew; Prunus laurocerasus English Laurel; Prunus sp.* Almond, Apricot, Nectarine, Peach, Plum, and Prune*; Pseudotsuga menziesii** Douglas Fir**; Pyracantha coccinea Firethorn (Scarlet); Pyracantha fortuneana Firethorn; Pyracantha koidzumii Firethorn; Pyrus sp. Bradford Pear; Quercus shumardii Oak, Shumard's Red; Quercus ssp. Oak species; Rhaphiolepis indica Indian Hawthorn; Rhaphiolepis umbellata Yedda Hawthorn; Rhododendron (Including Azalea) Coral Bells; Delaware Valley White; Flame Creeper; Formosa; Girard Crimson; George L. Tabor; Hino-crimson; PJM; Roseum Elegans; Wakeibisui; White Gumbo; Rosa banksiae Lady Bank's Rose; Rosmarinus officinalis Rosemary; Rudbeckia sp. Black-Eyed Susan; Goldstrum; Santolina vires Santolina; Saxifraga sp. Saxifrage; Purple Dome; Scabiosa sp. Pincushion Flower; Sedum album Stonecrop; Sedum caulicola Stonecrop; Lidakense; Sedum dasyphyllum Stonecrop; Sedum spurium Stonecrop; Dragon's Blood; Spiraea bumalda Spirea; Anthony Waterer; Syzygium paniculatum Australian Brushcherry; Taxus cuspidata Japanese Yew; Taxus media Yew; Teucrium sp. Germander; Thalictrum dipterocarpum Meadow Rue; Thuja occidentalis American Arborvitae; Trachelospermum asiaticum Sweet Jasmine; Tsuga canadensis Canada Hemlock; Tulipa spp. Tulip species; Viburnum japonicum Japanese Viburnum; Viburnum odoratissimum Star Viburnum; Viburnum plicatum Japanese Snowball; Viburnum rigidum Canary Island Viburnum; Viburnum suspensum Arrow Wood Viburnum; Viburnum tinus Laurustinus; Viburnum trilobium Cranberry Bush; Viburnum wrightii Leatherleaf Viburnum; Vinca major Greater Periwinkle, Vinca; Vinca minor Common Periwinkle Vinca; Vitis sp.* Grape; Weigela florida Old Fashioned Weigela; Yucca alofolia Spanish Bayonet, Yucca; Yucca filamentosa Adam's Needle, Yucca.

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 foodstuffs 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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available. If product is spilled sweep up and use as per label instructions or dispose of as indicated above.

CONDITIONS OF SALE AND WARRANTY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of J.R. Simplot Company. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Disclaimer of Warranties: To the extent consistent with applicable law, there are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of J.R. Simplot Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, J.R. Simplot Company disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at J.R. Simplot Company's option, the replacement of the product.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>
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50 LB. BAG (22.68 Kg.)