

CONTAINER DISPOSAL:

Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

Consult Federal, State or Local Disposal Authorities for approved alternative procedures such as limited open burning.

GENERAL INFORMATION

Country Club 19-4-9 with Ronstar (R) is a combination product consisting of a fine quality fertilizer and an excellent selective preemergence herbicide for the control of many broadleaf weeds and annual grasses in turf, and on a wide variety of woody ornamentals. Weeds are controlled by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply Country Club 19-4-9 with Ronstar with a properly calibrated granular applicator that will apply the granules uniformly (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly.

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Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

SUGGESTED SPREADER SETTINGS

Spreader	SPEED		Width of Coverage	Rate Table and Spreader Settings	
	Ground MPH	PTO RPM		0.75# N/1000 4# /1000 175# /Acre	1# N/1000 5 1/2# /1000 230# /Acre
Show 'n Tell (Drop Type)	3			6	6 1/2
Jet Spred (Rotary)	3		8 ft.	3	3 1/2
Cyclone	3		8 ft.	3	3 1/2
Ezee Flow (109)	5	540	30 ft.	C1	C2
Lely Wheel-Drive	4 1/2		39 ft.	4II	5II
Lely PTO-Drive	5	425	39 ft.	4II	5II
Scotts (Drop Type)	3			4 1/2	5
Scotts (Rotary)	3		8 ft.	E	G

These settings were calibrated and field tested. However, age and condition of spreader, speed of operation, and evenness of terrain may require slightly different settings for desired coverage.

TURF

For use in established perennial Bluegrass, Bermudagrass, Perennial Ryegrass, and St. Augustinegrass turf; such as, fairways, parks, golf courses, and lawns. Lebanon Country Club 19-4-9 with Ronstar controls Crabgrass (*Digitaria* spp.), Annual Bluegrass (*Poa annua*), and Goosegrass (*Eleusine indica*); also controls Florida Pusley (*Richardia scabra*), Oxalis (*Oxalis* spp.), Stinging Nettle (*Urtica dioica*), Carpetgrass (*Axonopus officinis*), and Pigweed (*Amaranthus* spp.).

Rake turf area free of leaves, mowing if necessary, so granules reach soil surface. Measure area to be treated and uniformly apply required amount, using a fertilizer spreader. Cross-treating with one-half required amount in each direction will give best results. DO NOT apply to wet turf. If rain is not expected shortly after application, sprinkling turf thoroughly will increase effectiveness.

AMOUNT TO USE:

Crabgrass and Goosegrass Control: For preemergent control, apply 175 pounds per acre (3 pounds active ingredient) or 4 pounds per 1000 sq.ft. in early spring prior to seed germination. Application made after March or April may not be fully effective.

Annual Bluegrass Control: For preemergent control, apply 230 pounds per acre (4 pounds active ingredient) or 5½ pounds per 1000 sq.ft. in late summer to early fall or in early spring prior to seed germination.

Pigweed, Florida Pusley, Oxalis, Stinging Nettle, and Carpetgrass Control: For preemergent control of these weeds, apply 230 pounds per acre (4 pounds active ingredient) or 5½ pounds per 1000 sq.ft. in early spring prior to weed seed germination.

For St. Augustinegrass turf, DO NOT exceed the rate of 175 pounds per acre (3 pounds active ingredient).

May cause discoloration of Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks.

Red Fescue and Bentgrass are not tolerant to Ronstar. The use of this product on turf containing Red Fescue or Bentgrass should be limited to situations where they are undesirable grasses. Avoid contact with flowers and shrubs except as recommended elsewhere on this label. DO NOT apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. Do not apply to Dichondra, Zoysia or Centipedegrass. Should not be used on putting greens or tees because of the varying cultural practices used.

WOODY ORNAMENTAL SHRUBS, VINES, AND TREES

APPLICATION:

Apply Lebanon Country Club 19-4-9 with Ronstar anytime during the year, prior to weed seed germination, for weed control. Can be applied to both newly transplanted and established ornamentals. Application can be made to actively growing or dormant ornamentals. Rainfall or overhead irrigation after application will improve

weed control activity. Should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of Ronstar. DO NOT apply to wet foliage or under conditions in which granules will collect on leaves.

AMOUNT TO USE:

Ground Application—Apply Lebanon Country Club 19-4-9 with Ronstar broadcast to ornamentals at 175 pounds of product per acre (or 4 pounds per 1,000 sq.ft.) depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

Application of 175 pounds (3 pounds of active ingredient) per acre, is effective in controlling annual grasses and broadleaf weeds such as:

ANNUAL BROADLEAF WEEDS

Bittercress (<i>Cardamine</i> spp.)	Pennsylvania Smartweed (<i>Polygonum pennsylvanicum</i>)
Carpetweed (<i>Mollugo verticillata</i>)	Petty Spurge (<i>Euphorbia peplus</i>)
Common Groundsel (<i>Senecio vulgaris</i>)	Redroot Pigweed (<i>Amaranthus retroflexus</i>)
Common Purslane (<i>Portulaca oleracea</i>)	Speedwell (<i>Veronica</i> spp.)
Eveningprimrose (<i>Oenothera</i> spp.)	Spotted Catsear (<i>Hypochaeris radicata</i>)
Galinsoga (<i>Galinsoga</i> spp.)	Swinecress (<i>Coronopus didymus</i>)
Golden Ragwort (<i>Senecio aureus</i>)	Yellow Woodsorrel (<i>Oxalis stricta</i>)
Lambsquarters (<i>Chenopodium album</i>)	

ANNUAL GRASSES

Annual Bluegrass (<i>Poa annua</i>)	Fall Panicum (<i>Panicum dichotomiflorum</i>)
Barnyardgrass (<i>Echinochloa crus-galli</i>)	Green Foxtail (<i>Setaria viridis</i>)
Crabgrass (<i>Digitaria</i> spp.)	

NOTE:

For the control of Liverwort (*Marchantia* spp.) in California, Goosegrass (*Eleusine indica*) and Prostrate Spurge (*Euphorbia supina*) use 230 pounds (4.0 pounds of active ingredient) per acre.

CROP TOLERANCE:

Recommended for use on a wide variety of container and field grown woody ornamental shrubs, vines, and trees. May be used at the recommended rates on the following ornamental species:

CONTAINER GROWN

ESTABLISHED

SPECIES	VARIETIES	SPECIES	VARIETIES
Agapanthus-	Africanus	Jasmine-	Yellow Star, Star
Andromeda-	Japanese	Juniper-	Bar Harbor, Wiltoni, Torulosa, Pfitzeriana

SPECIES	VARIETIES	SPECIES	VARIETIES
Arborvitae-	American, Eastern, Oriental, Aureanana, Globe, Pyramidal, Woodward		Compacti, Pfitzeriana Aurea, Torulosa Variegata, Pfitzeriana Glauca, Gulf Stream, Tam, Armstrongii, Shore, Andora, San Jose, Blue Haven, Stricta, Jade River, Broadmoor, Meyeri, Rocket, Plumosa, Royal Beauty Praecox, Greek, Apiculata Blackburn, Plumosa Compacta, Procumbens, Blue Pfitzer
Arctostaphylos-	Fred Oelher		
Azalea-	Hino Red, Red, Boudoir, Snowball, Karen, Kaempp, Stuartonian, Mollishybrid, Sweet-heart Supreme, Salmon Beauty, Caroline Gable, Louise, Stewartstonian, Rosebud		
Barberry-	Redleaf, Marshall Red, Darwinii, Irwinii, Purpleleaf	Justica-	Brandegeana
Boxwood-	Common, Japanese	Leucothoe-	Gatesbaei, Axillaris
Callistemon-	Bottle-brush	Myrtle-	Compacta Noellii
Camellia-	Glen #40, Sasanqua, Colonel Fiery	Magnolia-	Dr. Merrilli, Samuel Somers, Grandiflora
Ceanothus		Mahonia-	Oregon Grape-Holly
Cedar-	Atlas, Portoford (Allunii)	Osmanthus-	Fortunes
Cotoneaster-	Paineyi, Bearberry, Coral Beauty, Greyleaf, Cranberry, Silverleaf, Peking, Bright Bead, Danmeri Skolgholm, Microphylla, Lowfast, Glaucophylla	Periwinkle-	Vinca minor
Cypress-	Monterey	Photinia-	Frazierii
Dogwood-	Red Osier	Pine-	Slash, Japanese Black, Montana, Scotch, Digger, Shore, Thumbergii
Douglas Fir-	Pseudotsugamenziesii		Variegated, Japanese
Eucalyptus-	Sideroxylon, Nicholli	Pittosporum-	Macrophylla
Euonymus-	Greenlane, Microphylla Variegata, Emeraldgarty, Dwarf, Gold Spot, Golden Green, Silver King, Wintercreeper Vegetus, Emerald Cushion, Spreading	Podocarpus-	Japanese, Waxleaf, Glossy, Vicary, Golden Vicary, Curly Leaf
	Lynwood Gold	Privet-	Victory, Scarlet Firethorn, Wyattii, Graberri
Forsythia-	Any Yashioka, August Beauty, Mystery		
Gardenia-	Biloba	Pyracantha-	
Ginko-		Quercus	India Hawthorn
Heath		Raphiolepis-	Cunningham, Blue Diamond, Snow, Christmas, Chionoides, 'PJM', Dr. Rutgers, Coral Bells, President Clay
Heather-	Mrs. Maxwell	Rhododendron-	Summer Snow, Bigleaf Winter Creeper, Charlotte Armstrong
Hedera-	English Ivy		Yellow Star Jasmine
Honeysuckle-	Purpleleaf, Purpurea	Rose-	Paniculatum
Holly-	Dwarf Okinowan, Convexa, Rotundifolia, Hetzi, Helleri, Burfordi, English, Hellus, Dwarf Yaupon, Nellie R. Stevens, Boxleafed, Green Island, Japanese	Star Jasmine-	Sandankwa, Laurestinus, David
		Syzygium-	Congestum
		Viburnum-	
		Xylosma-	

NEWLY TRANSPLANTED

SPECIES	VARIETIES	SPECIES	VARIETIES
Andromeda- Arborvitae- Azalea-	Japanese Globe, Woodward Hino Red, Louise, Rosebud, Stewartstonian	Juniper-	Plumosa, Plumosa Compacta, Old Gold, Pfitzeriana Aurea, Torulosa, Arnoldii, Tam, Wiltoni, Procumbens
Barberry-	Marshall Red, Darwinii, Irwinii, Purpleleaf	Leucothoe-	Axillaris
Cedar-	Portoford (Allumii)	Magnolia-	Dr. Merrillii
Cotoneaster-	Cranberry, Peking, Coral Beauty, Bright Bead, Paineyi, Danmeri Skolgholm, Microphylla, Glaucophylla	Mahonia-	Oregon Grape-Holly
Cypress-	Monterey	Pine-	Slash
Dogwood-	Red Osier	Privet-	Japanese, Waxleaf, Glossy
Euonymus-	Greenlane, Emerald Cushion, Spreading	Pyracantha-	Graberii
Forsythia-	Lynwood Gold	Rhododendron-	Snow, Blue Diamond, Chion- oides, 'PJM', Dr. Rutgers
Holly-	Rotundifolia, Helleri, English, Japanese	Rose-	Summer Snow, Bigleaf Winter Creeper, Charlotte Armstrong

FIELD GROWN

ESTABLISHED

SPECIES	VARIETIES	SPECIES	VARIETIES
Arborvitae- Ash- Azalea- Barberry- Birch- Camellia-	Pyramidal Green Hinodigeri Red, Mentor Clump, Paper Tiffany, Marie Bracey, Elizabeth Dowd, Tom Knudsen, Crimson Robe, R. D. Wheeler	Pittosporum-	Undulatum
Cotoneaster-	Lowfast, Skolgholm	Privet-	California, Japanese
Crabapple-	Flowering, Torringo	Rhododendron-	Rosebud
Dogwood-	Redstemmed, Red, Flowering	Rose-	Texas Centennial, Sutters Gold, Show Girl
Euonymus-	Burning Bush, Dwarf Burning Bush, Jewell	Russian Olive	Black Hills, Norway, Serbian
Forsythia-	Showy Border, Lynngold, Lynwood Gold, Golden- bell	Spruce-	Taunton Spreading Yew, Hicks
Holly-	Boxleafed, Green Island, Japanese	Taxus-	Canadian Hemlock
Honeysuckle-	Zabeli	Tsuga-	European Cranberry Bush
Juniper-	Plumosa, Mint Julip, Arcardia, Variegata, Plumosa Compacta, Andora, Wiltoni, Hetzi	Viburnum-	
		Xylosma-	
		Ground Covers	
		Carpobrotus-	Edule ✓
		Osteo-	
		spermum	
		Sedum-	Album
		Algerian Ivy	
		Vinca Major	
		English Ivy	
		Pachysandra-	Terminalis
		Ajuga-	Reptans
		Euonymus-	Fortunei Radicans

SPECIES	VARIETIES	SPECIES	VARIETIES
Lilac-	Persian, Dwarf Korean		
Maple-	Anur		
Oak-	Red		
Periwinkle-	Vinca Minor		
Pine-	Austrian, Scotch, Norway, Stone, Japanese Black, Loblolly, Slash, Eastern White		

NEWLY TRANSPLANTED

SPECIES	VARIETIES	SPECIES	VARIETIES
Camellia-	Tiffany, Marie Bracey, Elizabeth Dowd, R.D. Wheeler, Tom Knudsen, Crimson Robe	Periwinkle-	Vinca Minor
		Pine-	White Austrian, Eastern White
		Privet-	California, Japanese
Dogwood-	Redstemmed, Red, Flowering	Rhododendron-	Rosebud
Forsythia-	Showy Border, Lynwood	Russian Olive	
	Gold, Goldenbell	Spruce-	Black Hills, Norway, Serbian
Hedera-	English Ivy	Taxus-	Hicks
Holly-	Green Island, Japanese	Tsuga-	Canadian Hemlock
Juniper-	Plumosa, Andora, Wiltoni, Hetzi		
Oak-	Red		

ADDITIONAL APPLICATIONS

For continued weed control, additional applications may be made 60 to 120 days after the previous application in the following situations:

2 REPEAT TREATMENTS

CONTAINER GROWN ESTABLISHED		CONTAINER GROWN NEWLY TRANSPLANTED		FIELD GROWN ESTABLISHED AND NEWLY TRANSPLANTED	
SPECIES	VARIETIES	SPECIES	VARIETIES	SPECIES	VARIETIES
Abelia-	Grandiflora	Common Boxwood		Holly-	Nellie R.
Common Boxwood		English Ivy			Stevens, Dwarf
English Ivy		Juniper-	Tam		Burford,
Holly-	Helleri	Pine-	Slash		Burford
Juniper-	Tam	Rhododendron-	Obtusa, Kurume		
Pine-	Slash		Formosa		
Rhododendron-	Obtusa, Kurume				
	Formosa,				
	Kurume Snow				

3 REPEAT TREATMENTS

CONTAINER GROWN
ESTABLISHED

SPECIES	VARIETIES
Abelia-	Grandiflora
Holly-	Helleri, Rotundifolia
Rhododendron-	Kurume Formosa, Kurume Snow

GREENHOUSE GROWN

ESTABLISHED

SPECIES	VARIETIES
Rose-	Sonia, Forever Yours, Coed, Golden Wave

FOREST NURSERIES

SEEDLINGS — At least 4 weeks old.

SPECIES	VARIETIES
Pine-	Loblolly, Slash, Eastern White

Local conditions may affect the use of this chemical. Consult State Agricultural Experiment Station or Extension Service weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed.

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (HH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE APR 12 1973
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION <i>Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.</i>		
NAME AND ADDRESS OF REGISTRANT: <i>In full ZIP Code</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"><input type="checkbox"/></div> <div style="width: 45%;"><input type="checkbox"/></div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"><input type="checkbox"/></div> <div style="width: 45%;"><input type="checkbox"/></div> </div>		
<p>NOTE Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE APR 12 1973

The inhalation statement is not required if the formulated product is a coarse granule. Submit sieve test information with the finished labels if the statement is not added to the text.

- e. Add "Do not apply directly to water" to the present ENVIRONMENTAL HAZARDS paragraph.
- f. Delete "General Classification." The uses of this product are not classified.
- g. Delete the references to "...burying in a safe place..." from the disposal statements. Refer to the attached sheet for appropriate text.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the 5-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Richard P. Mountfort, Jr.
Product Manager (73)
Pesticide-Herbicide Branch
Registration Division (25-767)

Enclosure

NET WEIGHT 50 LBS.

COPPER SULFATE

LARGE CRYSTALS

Active Ingredient:

Copper sulfate (pentahydrate) 99%
Inert Ingredients 1%
(Copper Expressed as Metallic 25.2%)

FOR:

- Algae control in impounded waters, lakes, ponds and reservoirs.
- Algae control in irrigation conveyance systems using the slug application method.
- Control of root growth in sewers.
- Also for manufacturing, repackaging, formulation of algacides, fungicides, and other non-pesticidal uses.

ACCEPTED
E.D.
1109-1

Keep out of reach of children.

DANGER

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

Corrosive. Causes irreversible eye damage. Do not get into eyes. Wear goggles or face shield. May be harmful or fatal if swallowed.

STATEMENT OF PRACTICAL TREATMENT:

If in eyes immediately flush eyes with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed drink promptly a large quantity of milk, egg white, or gelatin solution; if these are not available, drink large quantities of water. Call a physician immediately. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS:

Trout and certain other fish species may be killed at application rates recommended on this label, especially in soft or acid waters. However, fish toxicity generally decreases when the hardness of the water increases. When controlling algae in impounded waters, lakes or reservoirs (not including rice fields) and the entire body of water is to be treated, treat only 1/3 to 1/2 of the water area in a single operation and wait 10 to 14 days between treatments. Consult your State Fish and Game Agencies before applying this product, especially to public waters. Do not contaminate water by cleaning of equipment or disposal of waste.

NOTE: If treated water is to be used as potable water, the residual metallic copper content must not exceed 1 ppm (4 ppm copper sulfate pentahydrate).

EPA Reg. No. 1109-1

EPA Est. No. 1109-TN-1

TENNESSEE CHEMICAL COMPANY

COPPERHILL, TENNESSEE 37317