



LEBANON TREFLAN® 5G

CONTAINS TREFLAN* HERBICIDE

ACTIVE INGREDIENT:

trifluralin 5.0%

OTHER INGREDIENTS: 95.0%

TOTAL 100.0%

Treflan® is a registered trademark of Gowan Company, L.L.C.

(L) (D)

EPA Reg. No. 961-405

EPA Est. No. 961-PA-01: 961-IL-01

Contains 2 pounds active

Superscript used is first letter of lot number.

ingredient per 40 pound bag.

Manufactured using the processes of
U.S. Patents 4,120,905 and 4,226,789.



24-36683

G/18

LEBANON TREFLAN* 5G is a selective preemergence herbicide for control of certain annual grasses and broadleaf weeds in:

- Container Grown Ornamentals
- Landscape Ornamentals
- Nursery Stock
- Ground Covers
- Non-Cropland
- Ornamental Bulbs
- Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards in Ornamental Landscaping
- Established Flowers

KEEP OUT OF REACH OF CHILDREN CAUTION

In case of an emergency endangering life or property involving this product, call Chemtrec at 1-800-424-9300.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIRST AID

- IF IN EYES:**
- 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.
 - Call a poison control center or doctor for treatment advice.
- IF SWALLOWED:**
- 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 to an unconscious person.
- IF ON SKIN:**
- 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 INHALED:**
- Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
 - Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Emergency Medical Information call (888) 208-1368.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other Handlers must wear:

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

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

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. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DIRECTIONS FOR USE

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

Read all Directions for Use carefully before applying.

NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATIONS AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.

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.

ENTRY RESTRICTIONS

Do not enter or allow others to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow others to enter the treated area (except those persons involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in.

GENERAL INFORMATION

This product is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards in ornamental landscaping only, and noncropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with weed population, potting media or soil conditions, temperature, watering regime and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed. Repeat applications should not be made sooner than 60 days after a previous application. Do not apply over 240 lbs. per acre total of this product within a 12-month period.

GENERAL USE PRECAUTIONS

This product does not control established weeds. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation, is required to activate this product. Optimum weed control is obtained when this product is activated within 3 days of application. If rainfall or irrigation has not occurred within 3 days of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate this product within 3 days of application may result in erratic weed control. Do not apply when wind conditions favor drift of the granules from the target area.

Optimum weed control will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application.

WEEDS CONTROLLED WHEN APPLIED AT 80 LBS./ACRE (1.8 Lbs./1,000 Sq. Ft.)

ANNUAL GRASSES

Barley, hare	Brome	Cupgrass, Southwestern	Goosegrass	Oat, Wild	Signalgrass
Barnyardgrass (watergrass)	Cheat	Fescue, rattail	Junglerice	Panicum, fall	Sprangletop, Mexican
Bluegrass, annual	Crabgrass	Foxtail	Lovegrass	Sandbur, field	Stinkgrass
					Witchgrass

ANNUAL BROADLEAF WEEDS

Chickweed, common	Knotweed, prostrate	Lambsquarters, common	Pigweed	Purslane, common	Thistle, Russian
Goosefoot, nettleleaf	Kochia	Nettle, stinging			

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 80 lbs./acre (1.8 lbs./1000 sq. ft.).

Carpetweed	Johnsongrass (from seed)	Panicum, Texas	Pusley, Florida	Shattercane
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LebanonTurf

For technical assistance or more information about our products visit www.LebanonTurf.com

Manufactured by:

Lebanon Seaboard Corporation

1600 E. Cumberland St. • Lebanon, PA 17042

Made in the U.S.A.

www.LebanonTurf.com

NET WT. 40 LBS. (18.14 kg)

APPLICATION DIRECTIONS

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or plant injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

APPLICATION TECHNIQUES

- When using a drop-type spreader, a splash board mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, hard to treat areas. Carefully measure the amount of product needed to avoid over-application.

APPROVED USES

Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees, Non-bearing Vineyards in Ornamental Landscaping Only, and Non-cropland.

This product is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and non-cropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for general use precautions and information on application, application rates and weeds controlled.

SPECIAL USE PRECAUTIONS

To avoid possible injury, do not apply this product to:

- Unrooted liners or cuttings that have been planted in pots for the first time
- Pots less than four inches wide
- Ground covers until they are established and well rooted

Do not apply to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards in ornamental landscaping until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Do not make preplant applications of this product to areas where gladioli corms are less than one inch in diameter will be planted or injury may occur.

Do not apply this product in greenhouse or other enclosed structures.

Repeat applications should not be made sooner than 60 days after a previous application of this product. Do not apply over 240 lbs. per acre total of this product within a 12 month period.

Prior to using this product on a large number of plants, the treated plants should be observed for signs of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. THE USER ASSUMES RESPONSIBILITY FOR ANY PLANT DAMAGE OR OTHER LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ON PLANT SPECIES NOT RECOMMENDED ON THIS LABEL.

This product may be used on the following established plant species when container grown or field grown:

TREES

Balsam Fir
White Fir
Albus Flowering Maple
Luteus Flowering Maple
Roseus Flowering Maple
Tangerine Flowering Maple
Vesuvius Red-Flowering Maple
Flame Maple
Norway Maple
Red Maple
Red Sunset Maple
Silver Maple
Sugar Maple
Queen Palm
River Birch
Paper Birch

European White Birch
Bottle Tree
Black Olive
Chinese Chestnut
Carob
Redbud
Filicoides-Fernspray Cypress
Gracilis-Slender Hinoki Cypress
Swara False Cypress
Squarrosa-Moss Cypress
Palm (*Chamaedorea cataractarum*)
Palm (*Chamaedorea costaricana*)
Parlor Palm
Cloud Nine Dogwood
Flowering Dogwood

Kousa Dogwood
Green Hawthorn
Carrot Wood
Arizona Cypress
Russian Olive
Redgum Eucalyptus
Mealy Eucalyptus
Silver Dollar Eucalyptus
Coolibah Tree
Red Ironbark Eucalyptus
Ficus
Mini Fucus
White Ash
Shamel Ash
Ginko-Maidenhair Tree

Honey Locust
Shademaster Honey Locust
Toyon
Florida Anise-Tree
Eastern Red Cedar
Japanese Larch
American Sweet Gum
Tuliptree
Southern Magnolia
Crabapple
White Mulberry
Banana
Blackgum
Sourwood
Norway Spruce

Pendula-Weeping Norway Spruce
Repens-Spreading Norway Spruce
Dwarf Alberta Spruce
White spruce
Dwarf Globe Blue Spruce
Glaucu-Colorado Blue Spruce
Hoopsii-Hoop's Blue Spruce
Koster-Koster Blue Spruce
Bristlecone Pine
Canary Island Pine
Shore Pine, Beach Pine
Eldarica Pine
Bosnian Pine
Pumilio-Shrubby Swiss Mountain Pine
Austrian Black Pine

Monterey Pine
Red Pine
White Pine
Columnar Scotch Pine
Scotch Pine
Loblolly Pine
Japanese Black Pine
London Planetree
American Sycamore
California Sycamore
Podocarpus
Cottonwood
Chilean Mesquite
Yoshino Flowering Cherry
Douglasfir

Scarlet Oak
Bear Oak
Pin Oak
Willow Oak
Red Oak
Live Oak
Black Locust
Willow
Giant Sequoia
Mahogany
Yellow Tab
Baldcypress
Eastern Hemlock
Chinese Elm
Mexican Fan Palm

ORNAMENTAL SHRUBS

Edward Goucher Abelia
Glossy Abelia
Abyssinica Acacia
Prostrate Acacia
Shoestring acacia
Copper Leaf
Amur Maple
Coral Bark Japanese Maple
Dwarf Japanese Maple
Century Plant
False Spirea
Japanese Painted Fern
Coyotebush
William Penn Barberry
Mentor Barberry
Atropurea-Redleaf Japanese Barberry
Aurea-Golden Japanese Barberry
Crimson Pygmy Barberry
Rose Glow Barberry
Barbara Karst
California Gold
Pink Pixie
Scarlet O'Hara
Temple Fire
Texas Dawn

Japanese Boxwood
Korean Boxwood
Common Boxwood
Lemon Bottlebrush
Weeping Bottlebrush
Spring Torch Scotch Heather
Japanese Camellia
Sasanqua Camellia
Feathery Cassia
Wild Lilac
Plum Yew
Snow-in-Summer
Kosteri Cypress
Nana-Dwarf Hinoki Cypress
Torulosa Cypress
Filiifera-Thread Cypress
Areca palm
Summersweet
Japanese Cleyera
Sibirica-Siberian Dogwood
Baileyi Red Osier Dogwood
Flaviramea-Yellowtwig Dogwood
Royal Purple Smoke Tree
Coral Beauty Smoke Tree
Eichholz Smoke Tree

Praecox-Early Cotoneaster
Cranberry Cotoneaster
Pyrenees Cotoneaster
Bearberry Cotoneaster
Himalayan Cotoneaster
Rock Cotoneaster
Zabel Cotoneaster
Sago Palm
Hollandia-Warminster Broom
Lena-Scotch Broom
Fragrant Daphne
Deutzia
Hopseed Bush
Fruitland Silver Berry
Purple Bell Heather
Mediterranean Pink Heather
Cornish Heather
Winged Euonymus
Canadale Gold Euonymus
Emerald'n Gold Euonymus
Sunspot Euonymus
Wintercreeper Euonymus
Silver King-Euonymus
Variegated Evergreen Euonymus
Spreading Euonymus

Pineapple Guava
Forsythia
August Beauty Gardenia
Gardenia
Radican Gardenia
Salal/Lemon Leaf
Carolina jessamine
Woadwaxen
Ross Estey-Hibiscus
Rose-of-Sharon- Heart
Rose-of-Sharon- Red Bird
Rose-of-Sharon- Woodbridge
Holly
Mystery Gardenia
Henry Garnet Holly Leaf Sweetspire
Ixora
Juniper
Mountain Laurel
Crape Myrtle
Lantana
Coast Leucothoe
Drooping leucothoe
Privet
Chinese Fountain Palm
Flowering Woodbine

Serotina Woodbine
Trumpet Honeysuckle
Leather Leaf Mahonia
Creeping Mahonia
Wax Myrtle
Compacta-Dwarf Heavenly Bamboo
Harbour Dwarf-Heavenly Bamboo
Woadwaxen
Heavenly Bamboo
Nana Compacta-Heavenly Bamboo
Nana Purpurea-Heavenly Bamboo
Woods Dwarf Heavenly Bamboo
Hardy Red Oleander
Oleander
Ruby Lace Oleander
Fortunes Osmanthus
Mockorange
Pigmy Date Palm
Fraser's Photinia
Japanese Andromeda
Mountain Fire Lily-of-the-Valley
Snowdrift Lily-of-the-Valley
Templebells Lily-of-the-Valley
Valley Rose Lily-of-the-Valley
Valley Valentine Lily-of-the-Valley
Forest Flame Lily-of-the-Valley

Mugo-Mugho Pine
Green Pittosporum
Japanese Pittosporum
Wheeler's Dwarf Pittosporum
Blue Cape Plumbago
Plumbago
Yewpine
Tassel Fern
Cinquefoil
Carolina Laurel Cherry
Dwarf Pink Flowering Almond
Pyracantha
Charisma-Monruce Rhaphiolepis
Enchantress-Moness Rhaphiolepis
India Hawthorn
Mockorange
Pigmy Date Palm
Fraser's Photinia
Japanese Andromeda
Mountain Fire Lily-of-the-Valley
Snowdrift Lily-of-the-Valley
Templebells Lily-of-the-Valley
Valley Rose Lily-of-the-Valley
Valley Valentine Lily-of-the-Valley
Forest Flame Lily-of-the-Valley

Japanese Alpine Spiraea
Shirobana Spiraea
Bridal Wreath
Chinese Lilac
Common Lilac
Upright Japanese Yew
Anglojap Yew
Cape Honeysuckle
Ternstroemia gymnanthera
American Arborvitae
Emerald Arborvitae
Globosa-Globe Arborvitae
Little Giant-Dwarf Arborvitae
Nigra-Dark American Arborvitae
Pyramidalis-Pyramid Arborvitae
Rheingold Arborvitae
Techny Arborvitae
Aureus Nana-Dwarf Golden Arborvitae
Minima Glauca-Dwarf Arborvitae
Christmas Palm
Virburnum
Weigela
Xylosma
Yucca

GROUND COVERS

Woolly yarrow
Lily-of-the-Nile
Beechgrass
Cape Weed
Thrift
Asparagus Fern
Bellflower
Variegated Carex

Largeleaf Iceplant
Dwarf Plumbago
Rockrose
Coreopsis
Crown Vetch
Pampas Grass
Cotoneaster
White Iceplant

Descampsia
Trailing Rosea Iceplant
Iceplant
Blue Fescue
Strawberry, Beach
Gazania
Golden Hakonechloa
Algerian Ivy

English Ivy
Daylilly
Rupturewort
Albo-Marginata Hosta
Aaronsbeard
St. Johnswort
Angelwing Jasmine
Trailing Iceplant

White Lily Turf
Big Blue Lily Turf
Lilac Beauty Lily Turf
Magestic Lily Turf
Silvery Sunproof Lily Turf
Variegated Lirope Lily Turf
Green/Creeping Lily Turf
Eulalia Grass

Creeping Wirevine
Myoporum
Dwarf Mondo Grass
Mondo Grass
Trailing African Daisy
Japanese Spurge
Fountain Grass

Ribbon Grass
Stoncrop (Sedum)
Germander
Asaian Jasmine
Verbena
Speedwell
Periwinkle

ESTABLISHED FLOWERS

Yarrow	Cornflower	Dianthus	Sunflower	Sweet Alyssum	Petunia	Pincushion Flower
Floss Flower	Velvet Centaurea	Marigold, Cape	Balsam	Lupine	Phlox	Lamb's Ears
Alyssum	Sweet Sultan	Snow on the Mountain	Impatiens	Stock	Portulaca	Stoke's Aster
Snapdragon	Chrysanthemum	Gaillardia	Ixora	Four O'Clock	Rose	Marigold
African Daisy	Morningglory	Geum	Sweet Pea	Forget-Me-Not	Blackeyed Susan	Nasturtium
Dusty Miller	Coreopsis	Gladiolus	Statice	Nicotiana	Golden Glow	Vinca
Aster (perennial)	Cosmos	Baby's Breath	Lobelia	Poppy, California	Salvia	Zinnia
Calendula	Dahlia					

ORNAMENTAL BULBS

This product may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. This product may also be applied following bulb emergence. For fall planted bulbs, apply this product again in later winter or early spring to weed-free soil surfaces.

NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS IN ORNAMENTAL LANDSCAPING ONLY*

Almond	Boysenberry	Fig	Kiwi	Orange	Pomegranate
Apple	Cherry, sour	Filbert	Lemon	Peach	Prune
Apricot	Cherry, sweet	Gooseberry	Loganberry	Pear	Raspberry
Avocado	Currant	Grape, American	Macadamia Nut	Pecan	Walnut, black
Blackberry	Dewberry	Grape, European	Nectarine	Pistachio	Walnut, English
Blueberry	Elderberry	Grapefruit	Olive	Plum	

*Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

NON-CROPLAND AREAS

This product is recommended as a preemergence herbicide for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guard rails, sign posts and delineators.

Apply anytime prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides.

Refer to the "General Information" section prior to using this product on non-cropland.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in its original container in a cool, dry, locked place out of the reach of children and animals.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

IMPORTANT: READ BEFORE USE

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

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop 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 Lebanon Seaboard Corporation. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, LEBANON SEABOARD CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Lebanon Seaboard Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lebanon Seaboard Corporation DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: 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 PAID, OR AT LEBANON SEABOARD CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

LebanonTurf

For technical assistance or more information about our products visit www.LebanonTurf.com

Manufactured by:

Lebanon Seaboard Corporation

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Made in the U.S.A.

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NET WT. 40 LBS. (18.14 kg)