

Shrubs:
 Snake Plant
 Palms
 English Ivy
 Chinese Evergreen
Foliage Plants:
 Asparagus
 Chlorophyllum
 Aspidistra
 Dieffenbachia
 Cyperus
 Ferns
 Ficus
 Liriope
 Selaginella
 Philodendron
 Pothos
 Syngonium
 Podocarpus

The plants in this category are best suited to dim light. Light intensities within the interior of a room away from windows are preferred.

Minimum Foot-candle hours: 7,500
Maximum Foot-candle hours: 15,500

Bulbs:
 Begonia
 African Violet
 Achimenes
 Flowering Tobacco
 Impatiens
 Orchids
Foliage Plants:
 Acorus
 Anthurium
 Brassia
 Hypoestes
 Helxine
 Pellionia
 Peperomia
 Pandanus
 Prayer Plant
 Pilea

Plants in this category thrive on bright indirect light with no direct sun light. North exposures are preferred. Subdued light by screening or a lightweight curtain will be adequate at East, South, or West exposures.

Minimum Foot-candle hours: 15,000
Maximum Foot-candle hours: 27,500

Shrubs:
 Clerodendrum
 Eunonymus
 Silk Oak
 Ardisia
 Aucuba
 Camellia
 Coffea
 Dipladenia
 Eleagnus
 Gardenia
 Fuchsia
 Nandina

This category requires bright light with little direct sunlight. East and West exposures are preferred.

Minimum Foot-candle hours: 20,000
Maximum Foot-candle hours: 37,500

continued ...

Maximum Foot-candle hours: 50,000
Minimum Foot-candle hours: 25,000

This category of plants will thrive in full sunlight for medium short periods. East and South exposures are preferred.

Bulbs:
 Calla Lily
 Montbretia
Flowering Plants:
 Gerbera
 Miniature Rose
Foliage Plants:
 Astrophytum
 Echinocactus
 Gymnocalycium
 Jerusalem Cherry
 Notocactus
 Rebutia
Shrubs:
 Bouganvillea
 Flowering Maple
 Myrtle
 Rhododendron

Agapanthus
 Freesia
 Oxalis
 Bird of Paradise
 Gloriosa
 Passion Flower
 Agave
 Bamboo
 Echinocereus
 Gynura
 Kalanchoe
 Opuntia
 Sedum
 Acalypha
 Citrus
 Hibiscus
 Myrtille
 Stephanotis

Amaryllis
 Hoemanthus
 Ranunculus
 Chrysanthemum
 King's Crown
 Poinsettia
 Aloe
 Caphalocereus
 Echinopsis
 Herbs
 Lobiva
 Pereskia
 Stapelia
 Allamanda
 Coccoleba
 Hydrangea
 Privet

Anemone
 Ixia
 Tulbaghia
 Geranium
 Lillies
 Shrimp Plant
 Aporocactus
 Echeveria
 Eucalyptus
 Iresine
 Mamillaria
 Polyscias
 Azalea
 Croton
 Ixora
 Pyracantha

Maximum Foot-candle hours: 37,500
Minimum Foot-candle hours: 20,000

This category requires bright light with little direct sunlight. East and West exposures are preferred.

Bulbs:
 Narcissus
Flowering Plants:
 Lipstick Vine
Foliage Plants:
 Crassula
 Fittonia
 Joseph's Coat
 Saxifraga
 Tradescantia

Clivia
 Tulip
 Cineraria
 Gloxinia
 Flame Violet
 Shrimp Plant
 Beaucaerne
 Dizygotheca
 Gynura
 Pleomele
 String-Of-Pearls
 Wax Plant

Daffodil
 Hyacinth
 Cineraria
 Gloxinia
 Cineraria
 Gloxinia
 Coleus
 Euphorbia
 Haworthia
 Rhipsalis
 Swedish Ivy
 Zebra Plant

Crossandra
 King's Crown
 Columnea
 Fatsia
 Hypoestes
 Rhoec
 Tomiea
 Zebrina

General Watering Guide (Containerized Growing)
 Vegetables
 Annals/Bienials
 Perennials
 Shrubs (flowering)
 Shrubs (foliage)
 2-3
 1-2
 2-3
 1-2
 1-2

General Watering Advise

Each plant in the Watering Chart has been given a "watering number". For each plant, water only when the needle registers on or below the watering number. Plants with higher watering numbers (3 or 4) like to be kept moist. Plants with lower numbers prefer drier conditions. Check small pots more often than larger ones, they dry out more quickly. Over-watering rots plant roots so don't water too frequently.

1. Move the switch to the 3rd position.
2. Insert probe into soil up to plastic base, about half way between the edge of the container and the stem of the plant. Do not push the probe too near the stem.
3. Note the reading.
4. Remove the probes from the soil. Wipe thoroughly with a soft cloth or tissue before taking another reading or putting away.
5. Do not leave the probe in soil for long periods of time. Do not use in liquids!

HOW TO USE YOUR METER TO MEASURE SOIL MOISTURE

- IF THE TESTER READS "IDEAL":**
1. Water once a month with a soluble fertilizer that is recommended for the plants you are growing.
- IF THE TESTER READS "Too Much":**
1. Water thoroughly to leach out the excess fertilizer from the soil.
 2. For potted plants, repot with new soil.
 3. For greenhouse plants water thoroughly to leach excess fertilizer from the soil.
 4. Do not add any fertilizer. You can add manure, compost, clippings, plant wastes, residues, leaves and any other organic matter to the soil.

HOW TO USE YOUR METER TO MEASURE LIGHT

1. Move the switch to the 2nd position.
2. Point the photocell on the top of the analyzer directly at the light source while holding the Analyzer at leaf level. Avoid positioning your hand or body between the light source and the plant or position you are measuring.
3. Record the reading (x 1000) and the time of day.
4. Take readings in the mid-morning, mid afternoon and early evening to determine the average light intensity.

Example:
 9 AM reading X 4 hours = Foot-candle hours
 (Average between 7AM and 11AM)
 1 PM reading X 4 hours = Foot-candle hours
 (Average between 11AM and 3PM)
 5 PM reading X 4 hours = Foot candle hours
 (Average between 3PM and 7PM)
 Total Daily Foot Candle Hours Total From Above

Watering No. 1
 Aloe
 Calceolaria
 Cape Ivy
 Cardinal Flower
 Century Plant
 Jelly Bean Plant
 Snake Plant
 Sugar Almond
 Kalachoe
 Dipadenia
 Dumb Cane
 Eunymus
 Lucky Clover
 Myrtle
 Orchid
 Panda Plant

Watering No. 2
 Castor Oil Plant
 Chinese Evergreen
 Amaryllis
 Aralia
 Arrowhead Vine
 Bamboo Palm
 Bird of Paradise
 Devil's Ivy
 Crown of Thorns
 Parasol Plant
 Norfolk Island Pine
 Cheneria
 Nicodemia
 Monstera
 Castor Oil Plant
 Castor Oil Plant

Watering No. 3
 Columnnea
 Copperleaf
 Bay Tree
 Begonia Rex
 Begonia
 Bloodleaf
 Cupid's Bower
 Cycclamen
 Passion Flower
 Pilea
 Plume Flower
 Prayer Plant
 Primula
 Friendshipp Plant
 Camellia
 Calla Lily
 Flowering Maple
 Finger Aralia
 Catalpa
 Busy Lizzie
 Buddhaist Pine
 Bottlebrush Plant
 Umbrella Tree
 Wanderling Jew
 Venus Fly Trap
 Butterfly Flower
 Gardenia

Watering No. 4
 Colcus
 Jacaranda
 Clerodendrum
 Chrysanthemum
 Heliotrope
 Hedera Ivy
 Christmas Pepper
 Chritmas Cactus
 Fushia Plant
 Chenille Plant
 Fushia Plant
 Hyacinth
 Anthurium
 Azalea
 Bougainvillea
 Ferns
 Painters Palette
 Peace Lily

Watering No. 5
 Cast Iron Plant
 Cacti and Succulents
 Buxus
 Burro's tail
 Glory Lily
 Swedish Ivy
 Wax Plant
 Jerusalem Cherry
 Hibiscus

IMPORTANT INFORMATION REGARDING YOUR NEW 4-WAY ANALYZER

HOW TO USE YOUR ANALYZER TO MEASURE FERTILITY

1. Remove the top 2" of the soil. Break up and crumble the soil underneath to a total depth of 5".
2. Thoroughly wet the soil with water (ideally rain or distilled water) to a mud consistency.
3. Wipe the meter probes clean with a tissue or paper towel.
4. Move the switch to the first (top) position.
5. Insert the probes into the soil to within 1" of the casing Allow approximately 10 seconds for the reading to stabilize.
6. Record the reading. Remove the probes from the soil and clean thoroughly.

The standards by which the instrument is calibrated are as follows:

	Too Little	IDEAL Range	Too Much
Nitrogen	50 PPM	50 to 200 ppm	200 PPM
Phosphorous	4 PPM	4 to 14 ppm	14 PPM
Potash	50 PPM	50 to 200 ppm	200 PPM

• ppm is defined as parts-per-million

IF THE TESTER READS "Too Little":

1. Liquid feed with a brand of soluble fertilizer that is recommended for the plants you intend to grow.
2. Liquid feed within 3 weeks after planting or potting and do this every month whenever you water your plants.

Watering No. 1
 Aloe
 Calceolaria
 Cape Ivy
 Cardinal Flower
 Century Plant
 Jelly Bean Plant
 Snake Plant
 Sugar Almond
 Kalachoe
 Dipadenia
 Dumb Cane
 Eunymus
 Lucky Clover
 Myrtle
 Orchid
 Panda Plant

Watering No. 2
 Castor Oil Plant
 Chinese Evergreen
 Amaryllis
 Aralia
 Arrowhead Vine
 Bamboo Palm
 Bird of Paradise
 Devil's Ivy
 Crown of Thorns
 Parasol Plant
 Norfolk Island Pine
 Cheneria
 Nicodemia
 Monstera
 Castor Oil Plant
 Castor Oil Plant

Watering No. 3
 Columnnea
 Copperleaf
 Bay Tree
 Begonia Rex
 Begonia
 Bloodleaf
 Cupid's Bower
 Cycclamen
 Passion Flower
 Pilea
 Plume Flower
 Prayer Plant
 Primula
 Friendshipp Plant
 Camellia
 Calla Lily
 Flowering Maple
 Finger Aralia
 Catalpa
 Busy Lizzie
 Buddhaist Pine
 Bottlebrush Plant
 Umbrella Tree
 Wanderling Jew
 Venus Fly Trap
 Butterfly Flower
 Gardenia

Watering No. 4
 Colcus
 Jacaranda
 Clerodendrum
 Chrysanthemum
 Heliotrope
 Hedera Ivy
 Christmas Pepper
 Chritmas Cactus
 Fushia Plant
 Chenille Plant
 Fushia Plant
 Hyacinth
 Anthurium
 Azalea
 Bougainvillea
 Ferns
 Painters Palette
 Peace Lily

Watering No. 5
 Cast Iron Plant
 Cacti and Succulents
 Buxus
 Burro's tail
 Glory Lily
 Swedish Ivy
 Wax Plant
 Jerusalem Cherry
 Hibiscus

LIMITED WARRANTY

The tester is warranted free from defects for one year from date of purchase. During this period the unit may be returned to Luster Leaf Products, Inc. with proof of purchase and \$5.00 to cover postage and handling. It will be repaired or replaced during the initial 90 days of this warranty period. The selling dealer is also authorized to replace a defective meter.

This warranty does not cover abuse, accidental damage, repair by anyone other than Luster Leaf Products, Inc., or consequential loss or inconvenience resulting from use of the meter.

This warranty gives you certain specific legal rights and you may also have other rights which vary from state to state.

SERVICE

If adjustment or repair becomes necessary after the warranty expires, return the meter to Luster Leaf Products, Inc. with \$7.50 to cover postage, handling and service. Service includes labor and parts as required, except for replacement of externally damaged or lost components.

For service, or information regarding other Luster Leaf Products, Inc. products, please address:

Luster Leaf Products, Inc.
 2220 Techcourt, Woodstock, IL 60098

CLEANING PAD REORDER FORM

To obtain replacement cleaning pads for your meter, please complete:
QTY _____ Pkg(s) of 3 Cleaning Pads @ \$2.00 _____
 Add \$1.00 for Postage & Handling _____
TOTAL \$ _____

Send check or money order payable to Luster Leaf Products, Inc. (no COD please) to:
 Luster Leaf Products, Inc.
 2220 Techcourt, Woodstock, IL 60098

SHIP TO: Name: _____
 Address: _____

City: _____ State: _____ Zip: _____

