

**Shrubs:**  
Snake Plant  
Palms  
English Ivy  
Chinese Evergreen  
**Foliage Plants:**  
Asparagus  
Chlorophyllum  
the interior of a room away from windows are preferred.

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

**Shrubs:**  
Clerodendrum  
Eunonymus  
Silk Oak  
Camellia  
Ardisia  
Aucuba  
Dipladenia  
Eleanus  
Nandina

**Foliage Plants:**  
Christmas Cactus  
Flowering Tobacco  
Orchids  
Begonia  
African Violet  
Achimenes  
Cyclamen  
Cissus  
Helixine  
Hypoestes  
Peperomia  
Pilea

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

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

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

**Foliage Plants:**  
Begonia  
African Violet  
Impatiens  
Flowering Tobacco  
Anthurium  
Brassia  
Cissus  
Helixine  
Hypoestes  
Peperomia  
Pilea

**Shrubs:**  
Snake Plant  
Palms  
English Ivy  
Chinese Evergreen  
**Foliage Plants:**  
Asparagus  
Chlorophyllum  
the interior of a room away from windows are preferred.

**General Watering Guide (Containerized Growing)**

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!

**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.

**Watering No. 1**

Aloe	Calceolaria	Cape Ivy	Cardinal Flower	Century Plant	Cerpegia	Dipladenia	Dumb Cane	Eunymus	Figs	Fleming Katy	Geranium	Golden Dust Plant	Hens and Chicks	Inch Plant	Jade Plant	Jelly Bean Plant	Kalanchoe	Kaffir Lily	Lantana	Lucky Clover	Myrtle	Orchid	Panda Plant	Pepersoma	Peperomia	Poinsettia	Rubber Plant	Sand Dollar	Schubertia	Shrimp Plant	Silk Oak	Snake Skin Plant	Sugar Almond	Umbrella Tree	Verbena	Busy Lizzie	Calla Lily	Camelia	Chenille Plant	Christmas Cactus	Christmas Pepper	Chrysanthemum	Clerodendron	Colius	Cycas	Dracaena	Friendship Plant	Geranium	Hedera Ivy	Heliotrope	Hydrangea	Jacobinia	Jasmine	Jasminum	Spider Plant	Sensitive Plant	Wandering Jew	Wax Plant	Yucca
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**Watering No. 2**

Aloe	Calceolaria	Cape Ivy	Cardinal Flower	Century Plant	Cerpegia	Dipladenia	Dumb Cane	Eunymus	Figs	Fleming Katy	Geranium	Golden Dust Plant	Hens and Chicks	Inch Plant	Jade Plant	Jelly Bean Plant	Kalanchoe	Kaffir Lily	Lantana	Lucky Clover	Myrtle	Orchid	Panda Plant	Pepersoma	Peperomia	Poinsettia	Rubber Plant	Sand Dollar	Schubertia	Shrimp Plant	Silk Oak	Snake Skin Plant	Sugar Almond	Umbrella Tree	Verbena	Busy Lizzie	Calla Lily	Camelia	Chenille Plant	Christmas Cactus	Christmas Pepper	Chrysanthemum	Clerodendron	Colius	Cycas	Dracaena	Friendship Plant	Geranium	Hedera Ivy	Heliotrope	Hydrangea	Jacobinia	Jasmine	Jasminum	Spider Plant	Sensitive Plant	Wandering Jew	Wax Plant	Yucca
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**Watering No. 3**

Aloe	Calceolaria	Cape Ivy	Cardinal Flower	Century Plant	Cerpegia	Dipladenia	Dumb Cane	Eunymus	Figs	Fleming Katy	Geranium	Golden Dust Plant	Hens and Chicks	Inch Plant	Jade Plant	Jelly Bean Plant	Kalanchoe	Kaffir Lily	Lantana	Lucky Clover	Myrtle	Orchid	Panda Plant	Pepersoma	Peperomia	Poinsettia	Rubber Plant	Sand Dollar	Schubertia	Shrimp Plant	Silk Oak	Snake Skin Plant	Sugar Almond	Umbrella Tree	Verbena	Busy Lizzie	Calla Lily	Camelia	Chenille Plant	Christmas Cactus	Christmas Pepper	Chrysanthemum	Clerodendron	Colius	Cycas	Dracaena	Friendship Plant	Geranium	Hedera Ivy	Heliotrope	Hydrangea	Jacobinia	Jasmine	Jasminum	Spider Plant	Sensitive Plant	Wandering Jew	Wax Plant	Yucca
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**Watering No. 4**

Aloe	Calceolaria	Cape Ivy	Cardinal Flower	Century Plant	Cerpegia	Dipladenia	Dumb Cane	Eunymus	Figs	Fleming Katy	Geranium	Golden Dust Plant	Hens and Chicks	Inch Plant	Jade Plant	Jelly Bean Plant	Kalanchoe	Kaffir Lily	Lantana	Lucky Clover	Myrtle	Orchid	Panda Plant	Pepersoma	Peperomia	Poinsettia	Rubber Plant	Sand Dollar	Schubertia	Shrimp Plant	Silk Oak	Snake Skin Plant	Sugar Almond	Umbrella Tree	Verbena	Busy Lizzie	Calla Lily	Camelia	Chenille Plant	Christmas Cactus	Christmas Pepper	Chrysanthemum	Clerodendron	Colius	Cycas	Dracaena	Friendship Plant	Geranium	Hedera Ivy	Heliotrope	Hydrangea	Jacobinia	Jasmine	Jasminum	Spider Plant	Sensitive Plant	Wandering Jew	Wax Plant	Yucca
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**HOW TO USE YOUR METER 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.

**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: \_\_\_\_\_

**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:	Flowering Plants:	Shrubs:	
Agapanthus Freesia Oxalis Bird of Paradise Gloriosa Passion Flower Agave Asterophyllum Echinocactus Gynura Kalanchoe Opuntia Sedum Acalypha Citrus Hibiscus Myrtle Stephanotis	Amaryllis Hoemanthus Ranunculus Chrysanthemum King's Crown Poinsettia Aloe Cephalocereus Echinopsis Herbs Lobiva Pereskia Stapelia Allamanda Coccoloba Hydrangea Privet	Anemone Ixia Tulbaghia Geranium Lilies 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:	Flowering Plants:	Shrubs:	
Clivia Narcissus Tulip	Daffodil Cineraria Gloxinia	Hyacinth Crossandra King's Crown	

Bougainvillea	Flame Violet	Columnea	
Flowering Maple	Shrimp Plant	Fatsia	
Rhododendron	Beaucarnea	Hypoestes	
	Dizygotheca	Rhoeo	
	Gynura	Tomiea	
	Pleomele	Zebrina	
	String-Of-Pearls		
	Wax Plant		

**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

**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:

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• 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.

