



Another Invisible Gardener EBook 2009

How to Series

How to Reduce Water

*"Reduce from
50% to 75%*



*water usage
within one or
two years
and still have
a beautiful
beautiful
environment"*

*Invisible
Gardener*

Invisible Gardener™

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InvisibleGardener.com

OrganicDataBank.info

Invisible Gardener's

How to reduce water usage by 50 to 75 % within the next two years



And still have a lush environment

Steps towards 75% deduction in water use over the next two years...

1. Examine Current Usage

Write down current water times on your sprinkler system. Write down sections, number of days on and length of time. Make a note what type if over head or if already on a drip or soaker .

example

line 1 15 min x 2 days per week x 4 weeks lawn #1
line 2 15 min x 2 days per week x 4 weeks lawn #2
line 3 15 min x 2 days per week x 4 weeks lawn #2
line 4 15 min x 2 days per week x 4

weeks Flowers #1
line 5 15 min x 2 days per week x 4 weeks Flowers #2
line 6 15 min x 2 days per week x 4 weeks vegetable garden
etc

2. Add up current minutes system is on

times number of days on per month.

Example as per above

line 1 120 minutes
line 2 120 minutes
line 3 120 minutes
line 4 120 minutes
line 5 120 minutes
line 6 120 minutes
Total minutes per month
120 x 6 720 minutes per month
water usage

Examine Current system water use



How much are you using now?

Steps towards 75% reduction in water use over the next two years...

3. Examine Current Systems

Write down current types of watering systems on your sprinkler system. Write down sections and note if overhead, drip or soaker.

example

line 1 over head sprinklers lawn #1
line 2 over head sprinklers lawn #2
line 3 over head sprinklers lawn #2
line 4 over head sprinklers Flowers
line 5 on soaker line Flowers #2
line 6 on drip Vegetable Garden
Examine and locate any leaks and correct. Decide if any systems can be changed or if it is adequate. Usually lawns require overhead while flowers

and vegetable gardens will do fine with soakers or drip.

4. How to reduce by 10% first month

take the total time and reduce each section by 10%

Example as per above example

line 1 15 min -10% (1.5 min) = 13.5
new time lawn #1
line 2 15 min -10% (1.5 min) = 13.5
new time lawn #2
line 3 15 min -10% (1.5 min) = 13.5
new time lawn #2
line 4 15 min -10% (1.5 min) = 13.5
new time Flowers #1
line 5 15 min -10% (1.5 min) = 13.5
new time weeks Flowers #2
line 6 15 min -10% (1.5 min) = 13.5
new time vegetable garden

Apply rock dust, compost and mulch several times yearly.



add a 2 inch layer per year

This will reduce your outdoor watering by 10% the first two months. The first 30-60 days you will need to keep an eye out for your environment and see if you can spot any stress plants or if the lawn needs more water. Make sure the lines are working correctly. Some new heads may have to be cleaned.

Important note.

Along with water reduction, you will need to improve the soil adding the following right after you have decided on whether you will be using a soaker/drip system. See notes on burying your soaker system.

It important to add rock dust, compost and a nice acid mulch like azalea planting mix. This will not only improve the soil but allow the soil to hold water

longer and thus require less frequent waterings.

The first month along with any sprinkler system changes, you will need to completely compost and much everything except the lawn which will only require to be top dressed several times per year.





**" N e v e r
p l a c e a
s o a k e r l i n e
a r o u n d t h e
b a s e o f
y o u r
h o m e . "**

5. if system can be changed try only watering twice per week instead of three times per week. This will also decrease water usage.

Basic rule is to keep as much water below ground as possible. Up to 50% of overhead water is lost to evaporation.



Remember the amount of watering required by plants depends on most importantly, the conditions of the soil the plants etc are living in. Control this and you will have better control over your water use.

By applying compost and mulch on a regular year bases, the condition of your soil will improve and hold water longer and require less frequent by deep watering.

3rd and 4th month reduce another 10%

6. Reduce current time by another 10% to 20% during 3-4 months.

How to reduce by additional 10% to 20% 3rd and 4th month

take the total time and reduce each section by 10%

Example as per above example

line 1 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time lawn #1

line 2 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time lawn #2

line 3 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time lawn #2

line 4 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time Flowers #1

line 5 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time weeks Flowers #2

line 6 13.5 min -10% (1.35 min) = 12.15 (round off to 12 min) new time vegetable garden

You can additionally reduce the days you are watering from 3 to 2 days per week.

This will reduce your watering by as much as 20%. Watch every thing during the 3rd and 4th months for any signs of stress. Check plants, check drip or check water to make sure it is working correctly.

- *Repair leaks*
- *Change type*
- *Reduce time*
- *Reduce days*
- *Compost and Mulch*
- *Bury Soaker*

Adjustments should be made if you changed room a overhead system to a drip system. During the first 30 days you should observe the amount of watering the plants are getting and whether or not they will require more time. Generally speaking drip system requires more drip then a soaker system which requires more time then a overhead system. While the drip and or soaker require more time, they will use less water then the overhead system especially if the system is below ground.

By the end of the 4th month, you should have reduced your outdoor watering by 20% without damaging your envroment.



5th and 6th month reduce another 10%

7. You can reduce the watering an additional 10% starting the 5th thru 6th month.

Example as per above example

line 1 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time lawn #1

line 2 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time lawn #2

line 3 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time lawn #2

line 4 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time Flowers

#1

line 5 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time weeks

Flowers #2

line 6 12 min -10% (1.2 min) = 10.80

(round off to 11 min) new time

vegetable garden

so by end of 6th month you are now watering 11 min instead of 15 minutes, a 30% reduction.

30% Reduction in 6 months

- *reduce slowly*
- *watch for stress*
- *adjust accordingly*
- *plant natives*
- *grow organically*
- *control pests/diseases*



All water is
kept below
ground



6 months to a year

8. 6th month to 12th month

This is the time that you apply compost and mulch as need to increase a nice 2 inch layer covering all visible soil. You also keep an eye for any signs of water stress on your plants, lawn and fruit trees and vegetable garden.

You can farther reduce your watering by an additional 10%.

Example as per above example

line 1 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time lawn #1

line 2 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time lawn #2

line 3 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time lawn #2

line 4 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time Flowers #1

line 5 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time weeks Flowers #2

line 6 11 min -10% (1.1 min) = 9.9
(round off to 10 min) new time vegetable garden

By end of 12th month, your watering time is 10 minutes instead of the 15 minutes you started with, a 33% reduction added to the reduction from 3 days to 2 days watering, (an additional 10%) and you have a 44% reduction in the first year alone.



2nd year reduce another 10 to 20%

An additional 10 to 20 % of the watering can be reduced during this year by following the same procedure of reducing 10% at a time then watching for stress for 6 months before reducing another 10%.

A total of 55 to 75% water reduction can be achieved this way.

A secret water saving technique...

You can control the water by burying your soaker line under layers which add up every year. By simply adding 2 inches of mulch every year, you will be adding a deep enough layer under which your soaker line can be run as needed through a hot summer day without wasting any water. Additionally you will be able to water deeply once a week for more savings.

- *aerate soil*
- *clean drip*
- *replace broken drip*
- *replace bad parts*
- *clean filter*
- *repair drip lines*



Control Water
Catch the
Rain!

another 10%?

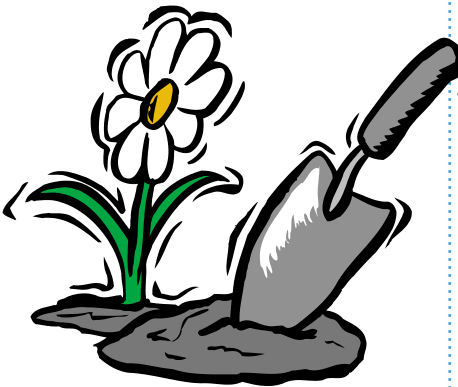
An additional 10% can be saved off the watering of the lawn by planting a native lawn!

Native lawns require less water, less if any mowing and very little fertilization.

Want food instead of a lawn?

Save an additional 10% by replacing your lawn with a water wise vegetable garden instead.

- *grow food*
- *go native*
- *creative mulch*
- *grow herbs*
- *grow fruit*



Grow your
own food!



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For more information visit

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Organic Seed Resources



Please try my store above first and see if I have what you are looking for, otherwise heres a list of organic seed resources for you.



Appendix



Appendix 7

PRIMORDIAL SOUP



Organic Gardening depends on having a living soil. The process of assimilation, adsorption and growth is a living system is dependent on bacteria. Bacteria forms the key corner stone for the organic process to happen. I learned early on in my childhood training (my mother and grand mother are both organic gardeners and taught me all about bacteria!) that bacteria is a very useful tool in Organic Gardening; from compost tea to producing the various biodynamic sprays.

SuperSeaweed™ which is an invention of mine, is a result of many years of experimentation and assimilation of my mothers knowledge as well as from my own experiences as a gardener. I like to call SuperSeaweed a “microbiological activator”. In simple terms, it is a special blend of five different types of deep ocean seaweed, chosen for its purity and for its special bacteria. Each seaweed, being from a different part of the world, contains its own special bacteria and its own special minerals. Blending these different liquid seaweed’s produces a complete bacterial and mineral ‘soup’. To this mixture I have added rock dust, which increases mineral content such as calcium, iron, etc. I also add activated Willard Water™, Nitron A-35™, and Agri-Gro™, Acadie™.

When using SuperSeaweed™, only 5 capfuls per gal is required for regular feeding. SuperSeaweed is not a fertilizer but acts as a ‘vitamin pill’. SuperSeaweed also helps to promote needed bacteria and enzymes when used with every watering. Superseaweed allows the soil and plants biological systems to begin to work. Plants and soil require composting and applications of mulch to insure a complete and balanced system.

SuperSeaweed™ is an excellent Rx for sick plants. Use 10 capfuls per gallon water to start with. This will give your plants a boost and help them along in the recovery. Allow a week for results. Then reduce to 5 capfuls per gallon. Repot soil if needed.

SuperSeaweed is excellent for fruit trees and veg-

etables. Use 10 capfuls per gallon, add to sprayer and spray on leaves for fast results! Superseaweed is an excellent foliar feeder for your roses! Use 10 capfuls per gallon, add to sprayer and spray regularly on leaves. See rose chapter for more info on how to use SuperSeaweed™.

Use SuperSeaweed™ on sick trees! Use 10 capfuls per gallon, add to sprayer and spray leaves on trees. Spray weekly for a month. Trees take longer to respond. Soak with SuperSeaweed around base of trees. Pour into tree vents. See Tree vents in index. SuperSeaweed™ works with in-line feeding systems as well as with hydroponics systems. To increase effectiveness add equal amounts of molasses (i.e.. 1 capful SuperSeaweed™ = 1 capful molasses).

SuperSeaweed™ works great on orchids! Most any flowering plant will do well with regular additions of SuperSeaweed to its water. Since SuperSeaweed is not a fertilizer, I suggest that you add it to your regular liquid organic fertilizer. SuperSeaweed makes your fertilizer last longer and you will have to use less. SuperSeaweed™ also acts as a wetting agent. This allows liquids used in fungus control to work better and should be added to all fungus sprays. SuperSeaweed was invented by myself in 1972 while I attended school at the University of Florida located in Gainesville Florida. It was made to be used in conjunction with other organic fertilizers and not with chemical fertilizers. If you must use a chemical fertilizer, use 1/2 as much of the chemical fertilizer while increasing your organic fertilizers. To Order please see Member application on order page.



Check out Superseaweed Today.

Appendix 8

ANDY LOPEZ - THE INVISIBLE GARDENER



Living in the secluded hills of Malibu Canyon is a man known as the “Invisible Gardener.” With a title like that, some confusion is inevitable: Could he be a playful, elf-like man who comes down from the canyon at dawn to sprinkle dew over the ground before others awaken? Or simply a wonderfully unobtrusive groundskeeper who literally fades into the landscape while dutifully taking care of the foliage? Actually, as Andy Lopez explains, he is not the ‘Invisible Gardener’ at all - nature is. ‘I am just one of her helpers,’ he states. “And if I could get more people to do what I am doing, instead of consistently destroying the environment she would have a much easier job.” Growing up in Puerto Rico/Miami, Lopez was heavily influenced by the fact that his mother grew her own fruits and vegetables and always used animal manure as fertilizer. This organically based philosophy toward gardening techniques laid the foundation of Lopez beliefs and in 1972 he founded Astra’s Garden, based on something of a religion that subscribes to living in harmony with the environment: not polluting; treating all living plant life with respect; and, basically just listening to what the earth is telling us.

People call him a “soil psychologist” yet he prefers the “plant nutrition specialist” appellation instead. Still he does make an effort to get to know his clients - to get a sense of their Lives - as much as possible. “I try to deal with the owner and his/her property as one entity

he maintains, going onto state that it is remarkable how much one’s property reflects one’s emotional state. His wide variety of clients - including in the past, such celebrities as Olivia Newton-John and Mark Harmon, attests to his effectiveness in connecting with people who share his motto (“happy, healthy, holy”) when it comes to living and interacting with the natural surroundings.

Lopez is also the founder of the Invisible Gardeners of America (IGA) club, which he started in an effort to raise the consciousness of all those concerned with their environment. The club publishes a newsletter every month on website or yearly via snail mail, which discusses new products, new procedures, and a number of timely topics relating to planting and growing. It also produces a constantly updated compendium of current environmental reports, providing an essential tool toward understanding the battle against - and alternatives to - polluting chemicals, which is available for free to IGA members on his website.

Lopez professes to be the only ‘Absolutely Organic’ spraying/pest specialist in the United States (at this time, even though he expects more to come out), pointing out that, while others might be semi-organic, they all still rely on chemicals in one form or another. “If It doesn’t come from mother earth, then it isn’t organic,” he states flatly. He goes on to say that 75 percent of all pollution in the U.S. comes from the home: If people would go back to the basics and grow their own food, and take care of their bug problems naturally, chemical pollution would no longer be a problem. Incorporating the philosophies of his various organizations and activities, Lopez’s mission is the education of the public on the necessity to quit using chemicals altogether and in the meantime, to properly dispose of their waste - so that one day the earth may return to its natural cycle of growing and decomposing. He also professes hopes of expanding his club internationally noting that, “After all, these same problems exist all over the world. They just exist in varying degrees”.

Invisible Gardener

"HEAL THE EARTH AND YOU HEAL YOURSELF"

SOME OF ANDY'S DVD'S CURRENTLY AVAILABLE:

2009 DVD

ANDY LOPEZ
THE INVISIBLE GARDENER'S
HEALTHY GARDEN SHOW 2009 BONUS EDITION

THE HEALTHY GARDEN SHOW
VOL 2 DVD

HEALTHY FAMILY/HOME/GARDEN SEMINAR EARTH
DAY 2009

NATURAL ANT CONTROL DVD
DANCES WITH ANTS 2009

PART 1

NATURAL ANT CONTROL 2009 DVD

PART 2

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Don't Panic Its Organic!

Invisible Gardener's EBOOKS

*All Books are
in PDF Format*

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Dances with Ants

Natural Ant Control EBook with Links to resources and formulas as well.

click for details



Natural Termite Control

Various safe methods of Natural Termite Control.

click for details



Natural Pest Control EBook 2009

The Complete 2008 printed version in pdf format!

this book



Natural Pest Control EBook in Spanish 2009

same as english version but in spanish!

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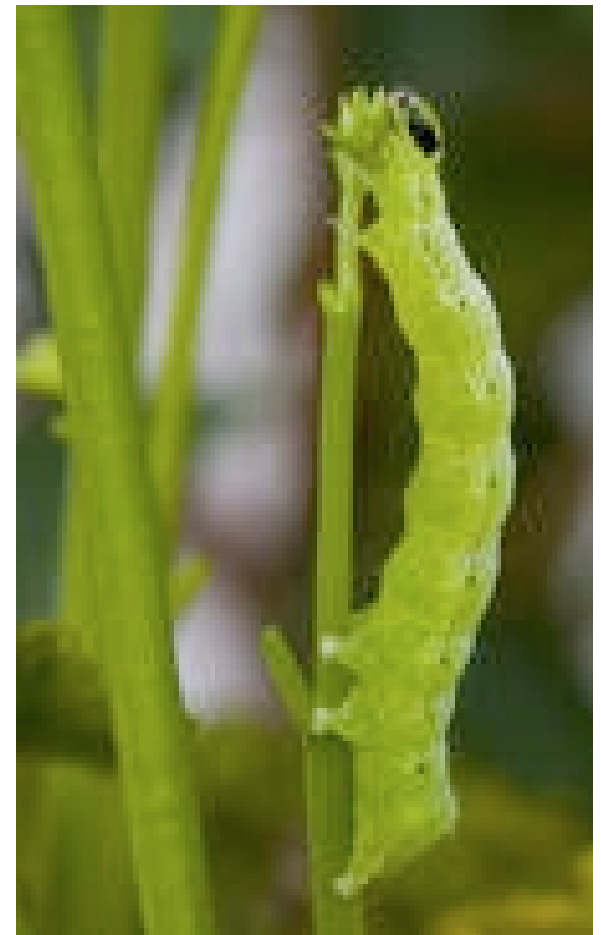
with

Andy Lopez

The Invisible Gardener©



Got gardening questions? Come by my radio show! Live shows every sat. Email me first with your question and we can talk live on the air!





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