Wednesday, August 20, 2008 1:16 PM

Horaus - Culture Garden Cultivate

Pomology - tree fruits

Olericulture - vegetables

Floriculture - Flower

Land Scaping + Nursery

Jobs
6H.

Grounds Keeper

Golf Course Employee

Park Employee

Opportunities

Opportunities

Selecting a Career

Ch. 2 Thursday, August 30, 2007 8:51 AM

Plans Taxonomy Linnaeus - Biromial System Genus Species Ace, maple rubrum-red linus - line Alba- white Between Birch 14tea-yellow Quercus_ Oak lubra - ref

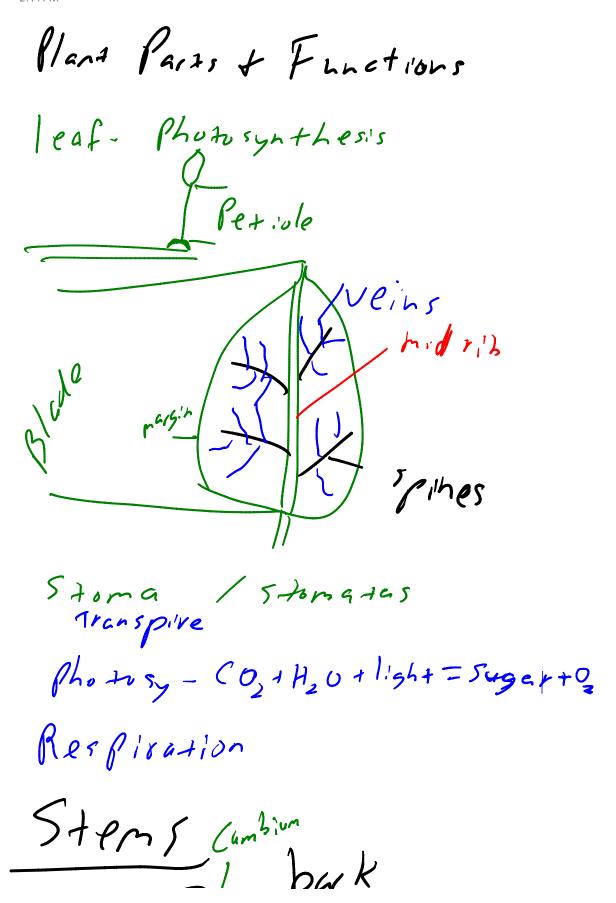
Rosaceae-Roses pluns, Stranberry, brandle, Apples Pluns,

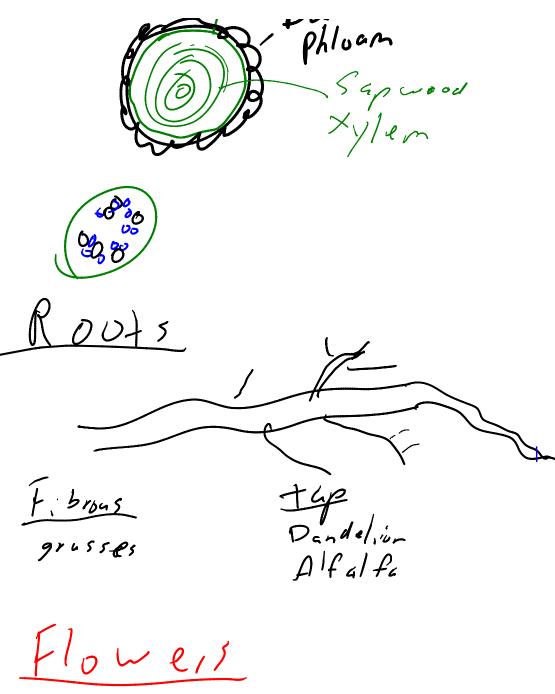
TAXONOMIST

BOOK OF BOTANICAL NOMINCLATURE

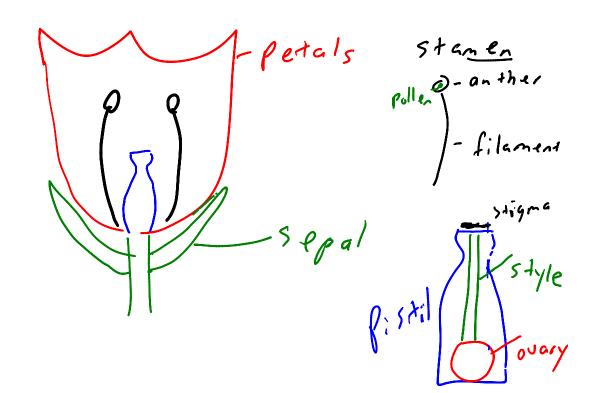
Ch. 3

Tuesday, September 04, 2007





sepal, petal, stamen pistil.



Complete flower In complete flower

Environmental Requirements
Friday, September 07, 2007

Environment.

Below

Water

Nutrients - N.P.K

11: Le

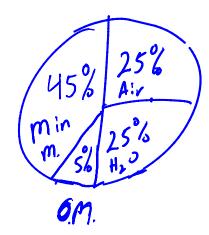
temp

18-4-2

Andergrund

TOP 24" - Rhizosphere

Soil-median medium



Gravitational-

~ \\

Capillary 15 atmosphere 200 Psi Sterile Soil- heat 180 F for 30 min Fers. 100 10,000 5 fs N- 91955es 1 Aug = 43,560, 9, F. Soil Acidity - pH Base Al sulfate Abrue Grund

light Temp Insects + Diseases Gares + Air Para Eles Humidity - 40-802 Adaptability - Zone 5 Growth Regulaturs
Wednesday, September 12,2007

Growth Regulators

1. Auxins 2. gibberellins -3. Gukinins-4. inhibitors

Apical Dominance

7 7

Stimulant

Gibberelic Acid Alfalfa

Chen. Retardant

PGR- grass

Cycocel R. nine A. Resz Phosphon 1403 phon

B nine

Booting Hormones

Indolbutyric Acid - 99.7% ment

Dwarfing routing Stock

Allelopathy - plant chen, slows or stops growth of another plant

Test review

Pomology - tree fruits

Olericulture - Veggies

Floriculture - Tlowers

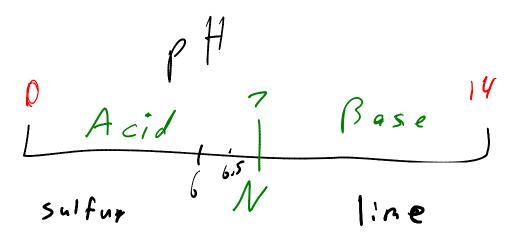
Male. Stamen female- pistil

Sandy Svils + good drainage taeration
15 parnieles low on

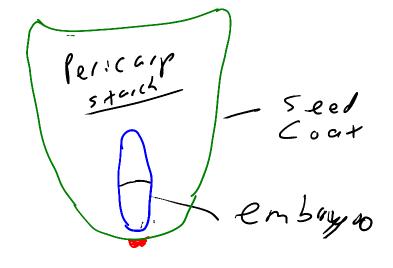
Soil Profile Aupsoil A Soil cles loam Horticulture. garden Cultivation Hostus Culture I 60 / 4 02 Plants to Coul - shade Warm - wind block Prevent Erosion Provide Beauty perfume air building Supplies Plant Sepal YU 075 Petal Stamen Ste ms p15+11 1800 85

Horticulture Page 13

Flower

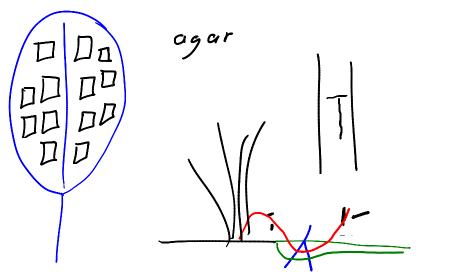






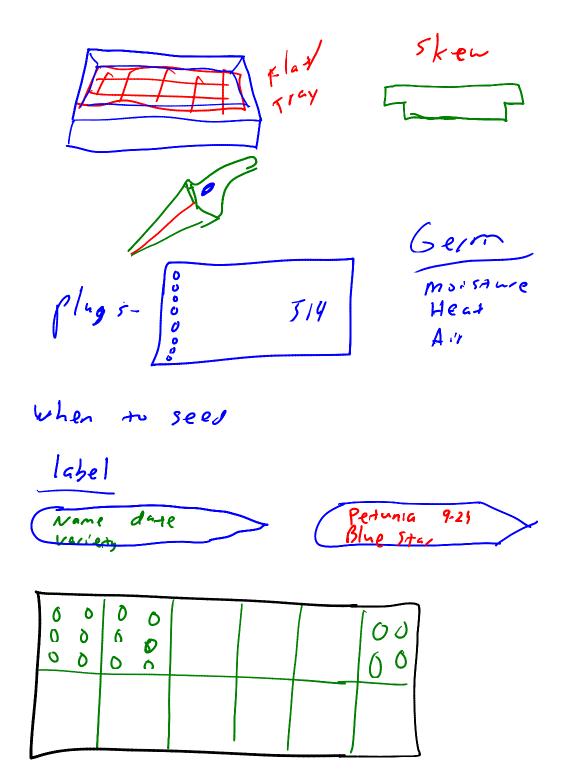
Propagate. to grow

Sexual - male + female - seeds asexual - vegetative repro.

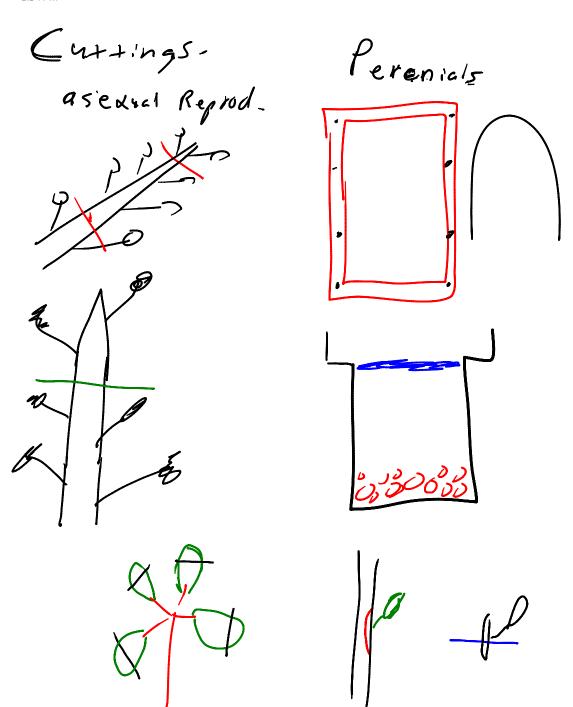


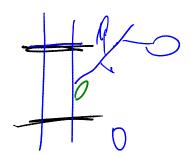
Demination - Seed actively begins

Sprowting- plant emerging Seed treatment - Captan growing annual - Seed- Flower- die Secson Biennial-seld-vinterover-Flower - die Verennial - come back every year Monocot Picot procdlect 4169585 Eroyn Vigor Media - Soiless Spagnin moss Jiffy Mix Indirect Seeding



Cuttings Wednesday, September 26, 2007 1:54 PM







Hardwood Cuttings dormant Sturage 6-8" long over cut - callus Store 4 wks 50-55°F renainder 32-40 °F

Lining Out

60 - 80% should root

Separation + Division Separation. Natural bubs + Com Single nosed-leaves double noser Flowers Corms - Cornels Division- iris, poturo, sweet potato

Rhizome - underground horizontal stem \mathcal{LRIS}

Tuber - Potato modified sten

Tuberous Routs = Sw. Pota +0

Research Plants

Bulbs tulip Amarylls 1:14 daffodil

Tibers Peoply Frish Potato Gladiolas

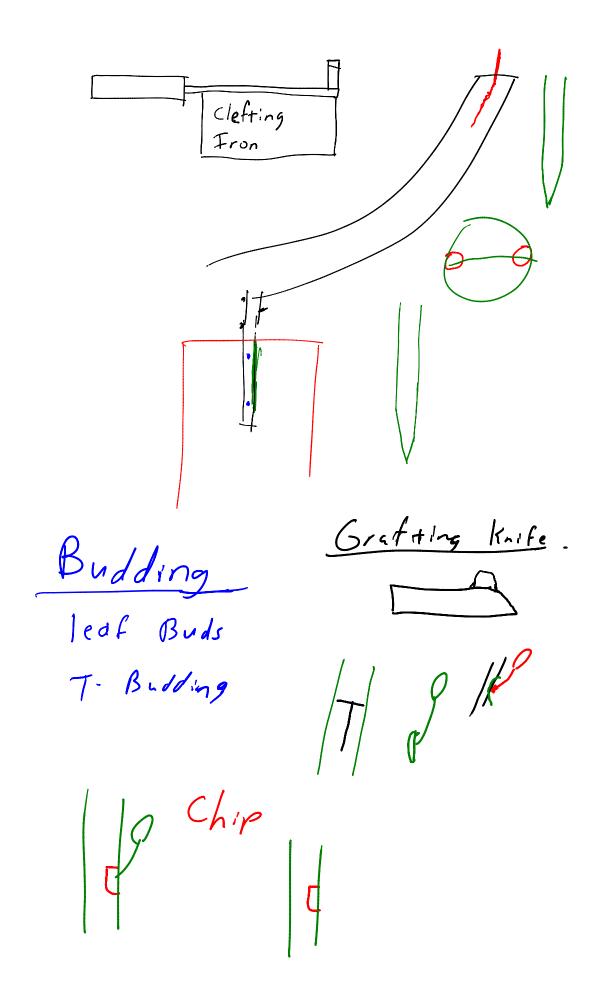
Juberous Roods

Dallia

Bleeding Heart Sweet Potato Rh: Zome

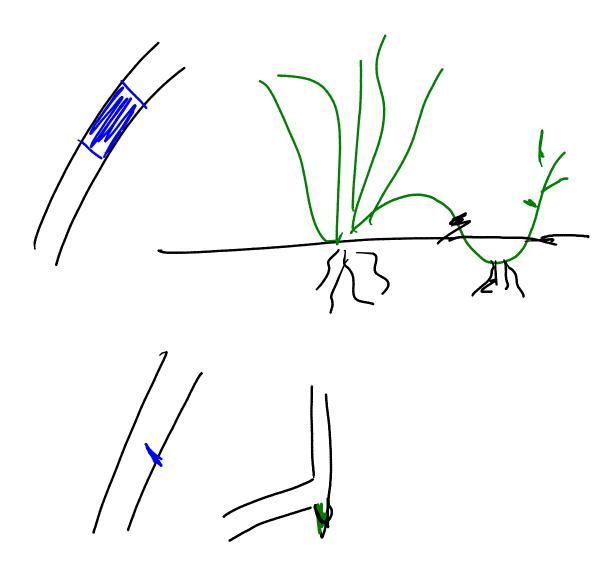
Iris Canna Calla lily

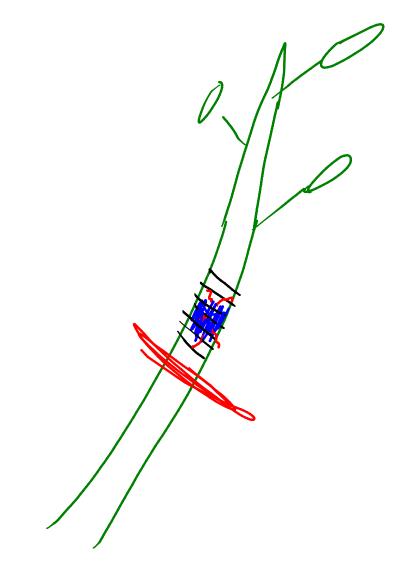
Grafting-1000 B. C. Physical union Cambiums grow layer match - campatible Apple - Apple Plant A. - Yout stock
B. - Donor - Scion time- early spring - March maturity= Whip + + ongue Cover with 1/2" plassic tape for 1 yr

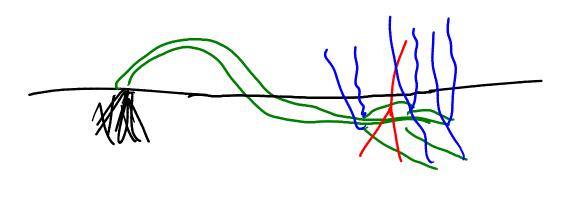


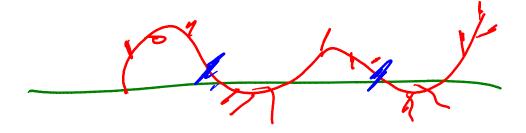
Layering

Friday, October 12, 2007 2:48 PM









Poinse ++1a
Tuesday, October 16, 2007
3:00 PM

J. R. Poinsent flower - yellow bracks - give color

Pests - White fly 0



Short day plants

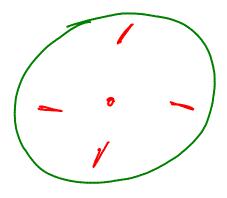
Response time

8, 10, 12, 14 week variety

Starter Plants GH

Growing Schedule Date of Sale

Po+



Uneven bed set - Improper temp

Fer# 15-10-30

N - P - K

Growth Reg. B-Nine + A. Rest

PINCHING - APICAL DOMINANCE

Spacing-

Easter Lilies Tuesday, October 23, 2007 2:50 PM

Valleties

Ace

Nellie white

Michigan

Night + emp 60°F day ten 76°F

Kill Fung: - Chlorox 1:9

IPM

Thursday, November 08, 2007 2:52 PM

Tomate V FN

Endophyte- Fungus or Becheric that live in plants

Bacillus Thuringensis

Neem Tree

Metamorphiss

Complete - Buxterfly

in complete - Grasshopper

Crop Rotation Hand Picking Allelopathy - black Walnut

Safe use Monday, November 12, 2007

Toxicity-0/21 dermal inhalation

how poisonous

Acute

Chronic

LD-le+hal Dose

Signal Words

I

Danger &

0-50

II

Warn! ag

50-500

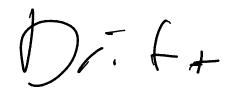
Caution

500 - 5060

I

Caution

1 - 5000



TYPES
INSECTICIDE
MITICIDE
FUNGICIDE
HERBICIDE
RODENTICIDE
NEMATOCIDE
MOLLUSCICIDE

Insecticides
Thursday, November 15, 2007
2:52 PM

Insect - 3 body parts

Head

Thorax - legs

Abdomen

Chewing - Sucking

Stomach - Systemice

Thursday, November 15, 2007
2:52 PM

Thorax - legs

Abdomen

Chewing - Sucking

Stomach - Systemice

Fumigant - Fumes or gas
Repellent.
Attractant

Chem.

Inorganic Compound- mineral origin

Organic Compound-living

Synthetic Organic Compounds.

Chlorinated Hydrocarbons
residual control - DDT

Organophosphates - 15-30 days

Carbanates - 2-7 days

Applications Dusgs WY Emulsifiable Concentrate Granules Baits Aerosals Spikes

Before you spray
The Dest

Fungicides Rodenticides, ect. Monday, November 18, 2007

Fungicides - prevent gem. It spores

Fungi- tiny non-green plant

rushs, milder, molds, smut

damping offi

Rodenticides - baits - Stomach poison.

Varianin

Mulluscieides -

Snails - Slugs

Nemarocides -

Herbicides
Tuesday, November 20, 2007
2:52 PM

Selective - 2,4-D

non- 11 - Round-up

Applying Chem-preplant, prevenessence
Post-emergence

Actro zine-prevent photosy

2,4-D = causes abnormal growth

Dauthal - destroys sprouting seeds

(alibration
ex - 1 p+ / Acre

garden - 10 x 45 = 45059

43,560 sq fx/Acre

16 07/P+

.16 07

1. measure 10' x 10' = 100 52'

Drift - mist carries on wind

Breaking down by Microolganism

CALIBRATION WORKSHEET

Wednesday, November 18, 2009 12:28 PM

CALIBRATE THE FOLLOWING

LABEL CALLS FOR 16 OZ OF CHEMICAL/ACRE. HOW MUCH CHEM. WILL YOU USE ON 5000 SQ FT.?

YOUR SPRAYER HAS A 24 FOOT BOOM WITH 12 SPRAY NOZZLES. IF YOU COLLECT 2.3 OZ OF WATER IN A 100 FOOT RUN, HOW MANY GALLONS OF WATER WOULD YOU APPLY/ACRE?

WREATHS & DOOR SWAGS

Thursday, November 29, 2007 2:49 PM

BOX WREATHS
FRAME
SPHAGNUM MOSS
PLASTIC RIBBON
GREENERY

HILMAN WREATH

DOOR SWAGS

KISSING BALL

DELLA ROBBIA WREATH

CENTERPIECE

Tuesday, December 04, 2007 2:50 PM

OASIS -

CENTER PIECE

FLORAL DESIGNS

Wednesday, December 05, 2007 1:57 PM

WEDDINGS, FUNERALS, FORMAL OCCASIONS, HOLIDAYS

DESIGNS-

SYMMETRY

FOCAL POINT

PROPORTIONS - 1.5-2 X HIGHER & WIDTH

SCALE

ACCENT

REPETITION

RHYTHM

HARMONY

UNITY

FLOWERS

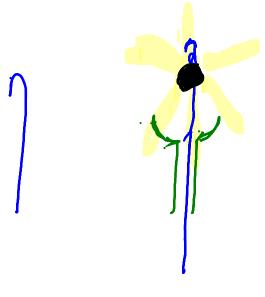
LINE - SNAPDRAGONS MASSING - MUMS, ROSES, CARNATION FILLER - BABY'SBREATH

BASIC DESIGNS OVAL, VERTICLE, HORIZONTAL, ROUND

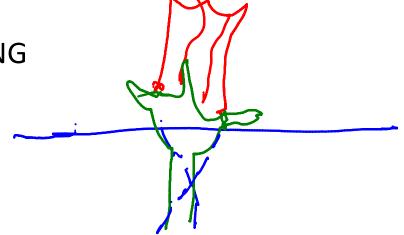
COURSAGE

Friday, December 07, 2007 2:46 PM



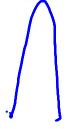


PIERCING



CLUTCHWIRE

HAIRPIN



BOUTONNIERE

PLANTING A VEGGIE GARDEN

Monday, December 10, 2007 2:52 PM

SELECTING VARIETIES OF PLANTS SHORT-LIVED LONG-LIVED

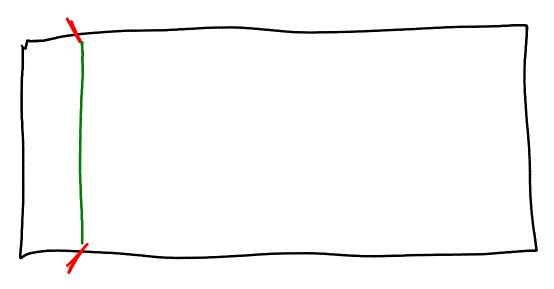
ONLY BUY THE SEED FOR 1 YR

SIZE OF GARDEN

WHEN TO PLANT

PHENOLOGY - RELATIONSHIP BETWEEN PLANTS & CLIMATE

PLANTING - SMALLER THE SEED THE FINER THE SOIL



ALLELOPATHY - SW. POTATO

WORK IT UP - TILLER

RAKE IT - LEVEL

MAKE ROWS

PLANT SEED OR TRANSPLANT

TRANSPLANTING SHOCK - HARDENING OFF

EARLY PLANTING - COLD FRAMES

DOUBLE CROPPING

HIGH TUNNELS

TOOLS

HOE

RAKE

TILLER - RENT

POTATO FORK

MANTIS - 2-STROKE TILLER

WHEEL BARROW/LAWN CART

CARE FOR GARDENS

Thursday, December 13, 2007 3:07 PM

WATERING -

FERT-

WEED CONTROL
CULTIVATION
MULCH
SPRAYS

THINNING

DISEASES

DISPOSE OF RESIDUE

CROP ROTATION

TREATED SEEDS - CAPTAN

RESISTANT VARIETIES

VEGGIES & HERBS

Monday, December 17, 2007 2:46 PM

ASPARAGUS

LIMA BEANS

SNAP BEANS

BEETS

BROCCOLI

BRUSSELS SPROUTS

CABBAGE

CARROTS

CAULIFLOWER

CELERY

CHARD

ONIONS - CHIVES, GARLIC, LEEK, SHALLOT, ONION

COLLARDS

SWEET CORNS

CUCUMBER, MUSKMELON

EGGPLANT

KALE

KOHLRABI

LETTUCE

MUSTARD

OKRA

PARSLEY

PEAS

PEPPERS

POTATO

RADISH

RUTABAGA & TURNIP

SPINACH

SQUASH

SW. POTATO

TOMATO

INTERIOR & EXTERIOR

DISH GARDEN

BONSAI - TRAY PLANTING

INTERIOR LANDSCAPING - ATRIUM

CARE OF PLANTS
PROPER WATERING
LIGHT
TEMPERATURE
PLANTING MEDIA

PESTS & DISEASES
MEALY BUGS
WHITE FLIES
MITES
APHIDS
SCALES

Ch. 24

Thursday, January 10, 2008

SHRUBS & TREES

CONTAINER PLANTS

SITE - SLIGHT SLOPE

WINDBREAK

CONTAINERS

GROW MIXES

PLANTING

SPACING

WATERING HANDWATER

TRICKLE TUBES OVERHEAD SPRINKLERS

FERTILIZER

N - P - K

NITROGEN - PHOSPHEROUS - POTASSIUM

LIQUID SLOW-RELEASE

DISEASE & INSECTS

PRUNING

WINTER STORAGE

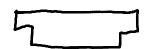
MKTING

ANNUALS BEDDING PLANTS

ANNUAL-LIVES FOR 1 GROWING SEASON

JIFFY MIX - SPAGNUM MOSS & VERMICULITE

FILL 1/2 FULL LEVEL WITH SKEW -



DRAG LABEL PLANT SEEDS WATER

CH 26

Tuesday, January 22, 2008

PERENNIALS, ORNAMENTAL GRASS, VINES, BAMBOO, & PRAIRIE GARDENS

PERENNIALS - \$\$\$\$\$\$\$\$
WHERE ITS PLANTED, IT STAYS
SOIL PREP
MULCHING
pH

ORNAMENTAL GRASSES

VINES

CLIMATIS
PURPLE PASSION
TRUMPETER
IVY
MORNING GLORY

BAMBOO 18" - 70'

PRAIRIE GARDEN

EVERGREENS

Friday, January 25, 2008 2:44 PM

NEEDLES - LEAVES

FASCICLES

NEW GROWTH - CANDLES

USES

FOUNDATION PLANTING CORNER PLANTING SPECIMAN PLANT

PURCHASE

BARE ROOT

BALLED & BURLAPPED

CONTAINER

STAKE

FERTILIZING -5-10-10

WATERING - EVERY 10 - 14 DAYS THE

1ST YR.

PRUNING

WHICH TREE TO USE?
HARDINESS
FOLIAGE COLOR
PERIOD OF INTEREST
LANDSCAPE USE
FOUNDATION PLANTING
ROCK GARDEN
HEDGE

BROADLEAF EVERGREEN

DECIDUOUS TREES

Wednesday, January 30, 2008 2:00 PM

SHADE
FRAME A HOUSE
SOFTEN LINES
RELIEVE BARE SPOTS
SCREEN AN OBJECT
FRAME A VIEW
PRIVACY
ACCENT LANDSCAPE
BREAK-UP MONOTONY
WINDBREAKS

FORM
FLOWER
TEXTURE
COLOR
HOW TO PROPAGATE
HEIGHT
HARDINESS
ORNAMENTALUSE

DECIDUOUS SHRUBS

Monday, February 04, 2008 3:17 PM

PERIOD OF INTEREST
FLOWER COLOR
FORM
BEAR FRUIT
HEIGHT
FOLIAGE
HARDINESS - ADAPTABILITY

WHEN TO PLANT?

PRUNING

BLOOM ON LAST YEAR'S GROWTH - AFTER FLOWERING

THIS YEAR'S GROWTH - FALL OR SPRING

APICAL DOMINANCE -

GROUND COVERS BULBS

Monday, February 11, 2008 2:51 PM

SOIL?

CAN BE GROWN LOCALLY

HOW IT IS PROPAGATED

HOW LONG TO COVER?

MATURE HEIGHTH

INSECT OR DISEASE RESISTANT

COST?

BULBS

WOODLOT

ROCK GARDENS

EVERGREENS

CUT FLOWERS

PRUNING

Thursday, February 14, 2008 2:43 PM

WHY PRUNE?

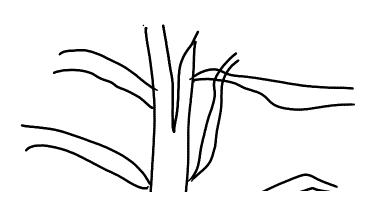
SHAPE
CONTROL HEIGHT
REMOVE DEAD OR DAMAGED BRANCHES
REJUVINATE

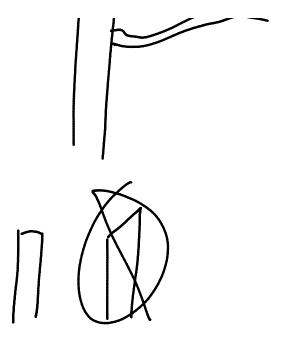
TOOLS

BOW SAW
LOPPERS
SHEARS
PRUNING SAW
POLE SAW

CHAINSAW POWER POLE SAW

WHICH BRANCHES TO PRUNE





ESPALIER - TRAINING PLANTS TO GROW ON FLAT SURFACE

TOPIARY - CREATING ORNAMENTAL SHAPES

LANDSCAPING

Monday, February 18, 2008 1:05 PM

LANDSCAPE ARCHITECT

CONTRACTOR

MAINTENANCE

CAD - COMPUTER AIDED DESIGN

OBJECTIVES

NEEDS & DESIRE OF OWNERS

CAPABILITY OF LAND

DEVELOP LIVING AREAS

MAINTENANCE LEVEL

COSTS WITHIN BUDGET

QUESTIONS FOR OWNER

CONCEPT OF AN OUTDOOR ROOM SOFT OR HARD PAVING

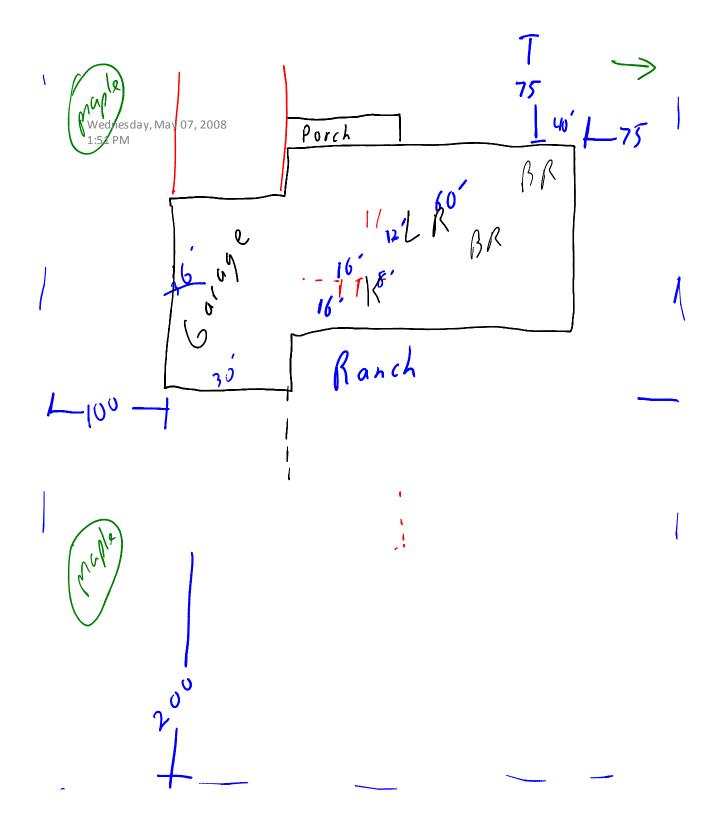
DESIGNS
SIMPLICITY
BALANCE
FOCAL POINT OF INTEREST
RHYTHM & LINE
SCALE & PROPORTION

XERISCAPING - WATER CONSERVATION

WATER GARDENS

CALCULATING
SQUARE FOOT
L X W X D

SQUARE YARDS L X W X D / 27



Establishing the Lawn

Monday, March 29, 2010 1:07 PM

WHAT TYPE OF GRASS?

GRADING

SLOPE - %

TRANSIT & LEVEL

DRAINAGE

PREPARING SOIL

FERTILIZER

APPLY 1/2 BEFORE SEEDING @4" DEEP

N - P - K

Ph - 6 to 6.5

SEEDING

NAME

PURITY

% PERCENT GERMINATION

YEAR TESTED

ENDOPHYTE - FUNGUS LIVES INSIDE PLANT TO

ATTACK INSECTS Bt - BACILLUS THURINGENSIS

SOWING THE SEED RAKE - 1/8 TO 3/8 INCH DEEP

PLUGS

SOD

6 REGIONS
TYPES OF GRASS

MAINTAINING A YARD

PROPER VARIETY OF GRASS

PH TEST NUTRIENT TEST

MOWING -

COOL SEASON - 2 - 3"
WARM SEASON - 1/2 - 1 1/4"

PRIMO MAXX

WATERING - 1/2 GALLON/SQ FT

DISEASES FUNGUS

INSECTS GRUBS

RODENTS MOLES GOPHERS

THATCH

COMPACTION AERATOR

RENOVATING THE YARD

PROBLEM YARDS
SOIL TYPE - CLAY/SANDY/ CONTAMINATED
Ph
WRONG VARIETY OF GRASS
COMPACTION - HEAVY TRAFFIC
ANIMALS

INSECTS
WEEDS
IMPROPER MOWING
IMPROPER FERTILIZER
THATCH
OTHER PLANT INFLUENCE - WALNUT TREES
DISEASES
CHEMICAL OVER SPRAY
WRONG CHEMICAL

SPOT SEEDING SPOT PATHCING

VEGETABLES

Wednesday, April 14, 2010 12:42 PM

LOCATION
SUNLIGHT
SOILS
CONVENIENCE

PLAN

MOUND OR HILL

CROP ROTATION

HARDINESS
HARDING OFF
TRANSPLANT SHOCK

SPACING
ROW
SW. CORN - 3'
TOMATOES - 3'
COLE CROPS - 1.5'

PLANT

CLAY SOILS

ORGANIC MATERIALS
COMPOST
ANIMAL MANURE

SANDY SOILS

ORGANIC MATERIALS

COMPOST

ANIMAL MANURE

FERTILIZER

BAND

BROADCAST

DIGGING IN

PLANTING

VARIETIES

DISEASES RESISTANT

DAYS TO HARVEST

SEEDS

SHORT LIVED - 1 TO 2 YRS

MODERATELY LIVED - 3 TO 5 YRS

LONGED LIVED -M >5 YRS

PLANTING TIME - BACKUP FROM WHEN

YOU WANT TO HARVEST

PHENOLOGY - STUDY BETWEEN CLIMATE & LIFE CYCLE

DEPTH OF PLANTING
2X THICKNESS OF SEED

ROW

SOW

TRANSPLANTING

COLD FRAMES

FROST

COVER OR INSULATE

FLOATING COVER

TOOLS

CARING FOR YOUR VEGGIES

WATERING

FERTILIZERS

```
PESTS
  INSECTS
     PESTICIDES
       SEVIN
     ROTATE
     TREATED SEEDS
  ANIMALS
  WEEDS
     CULTIVATE
     PULL
     MULCH
       COMPOST
       LEAVES
       NEWSPAPER
       BLACK PLASTIC
  THINNING
```

FAVS



FRUITS & BRAMBLES

Wednesday, May 12, 2010 12:26 PM

STRAWBERRIES

CROWN - GROW POINT STOLONS - RUNNERS LEAVES DIE OFF WHEN TEMPS DROP BELOW 23DEGREES F.

EACH YEAR - NEW LEAVES & FLOWERS

65% GROWN ON PACIFIC COAST

PH - 6 - 6.5

VARIETIES

PLANTING

HILL SYSTEM
ROW SYSTEMS
RAISED BEDS
PYRAMIDS

HANGING BASKETS

CULTIVATE - 1 - 2"

BLUEBERRIES

PH - 4.6 TO 5.0 SOIL ACIDIFIER - AL SULFATE

SOIL WATER TABLE - 14 - 30 " RAISE OM - GREEN MANURE

SPACING - 4 TO 5' 1,100 PLANTS / ACRE

FERTILIZER
10-10-10 500LB/ACRE

6 WEEKS AFTER FERT., TAKE 2ND SOIL TEST

APPLY 6" FROM PLANT & AS FOR OUT AS ROOTS EXTEND

WATERING 1"/WK

MULCH

POLLINATION - SELF POLLINATORS

PRUNING PRODUCE FRUIT ON PREVIOUS SEASON'S GROWTH

THIN

HARVEST 8 HRS DAY - 80 PINT

PEST

WEEDS

DISEASES