



Fruit Tree Issues

- There are many dozens of fruit varieties you can grow depending...
- And combined, they produce yearround.
- Many are low care and therefore easier for many people who have busy lives.
- So, this is a brief survey of what there is and some tips on how to do it

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Issues to Consider
Benefits
Deciding what to Plant
Harvest times & Eventual Size
Temperatures at your Location in Winter
Where to Plant the Tree
Planting the Tree
Maintenance
Pruning
Best Fruits

Fruits are Neat

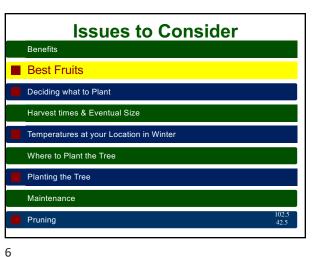
- Beautiful
- Minimum weeding, watering, and labor.
- Provide shade and cooling for plants and house and
- Habitat for beneficial birds, butterflies, and bees.

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Fruit trees have environmental benefits



- Prevent erosion,
- Improve soil,
- Reduce neighborhood heat
- Reduce evaporation and increase condensation.
- Slow heavy rain movement to streets
- Sequester carbon and reduce food energy footprint.
- When deep rooted, survives drought easier than annuals.







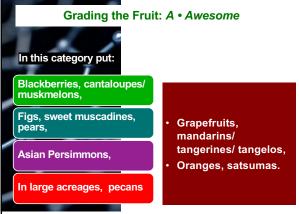
Grading the Fruit: A • Awesome

There is much experience with these fruits in the Southeast Texas.

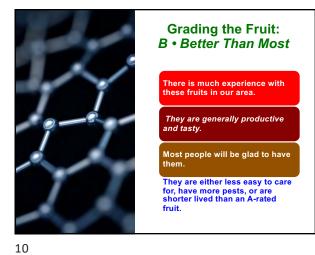
They are reliably productive, tasty, long-lived, and relatively easy to care for.

Apart from birds and mammals, they are mostly pest free.

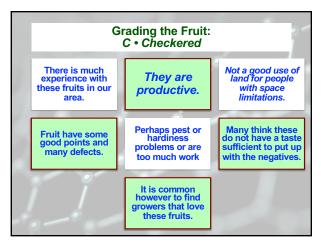
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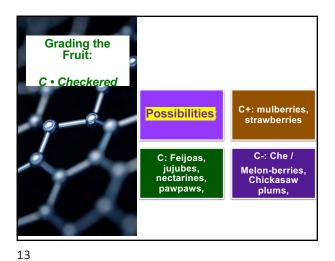


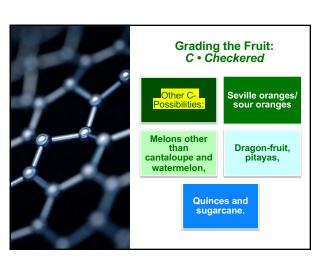




Grading the Fruit: B • Better Than Most **Possibilities** B+: Apples, blueberries, calamondins, papayas (in warm zones), plums, pears. B: In warm zones: bananas, pummelos, Meyer lemons, loquats; everywhere: bunch grapes, watermelons, kumquats, blueberries, kiwis B-: Pecans (on small lots), Florida cranberry/roselle/Jamaica, peaches and nectarines, strawberries, pomegranates





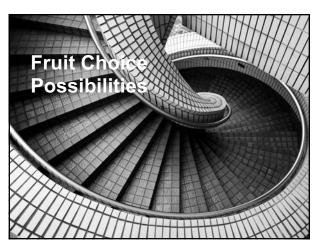


There are Many Grade D Disappointing Fruit;

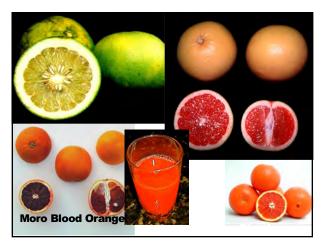
> Grade F Fruitless Ones, and

Plenty that We Haven't Evaluated Yet Grade I

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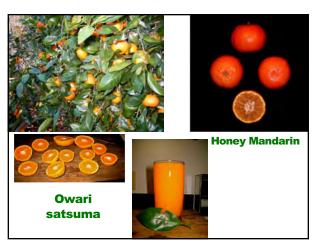




Yummy Satsuma Juice!



























Fuzzy Kiwis

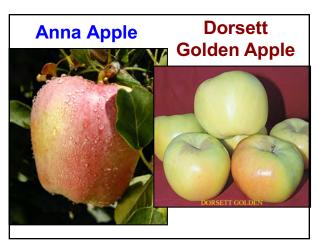




















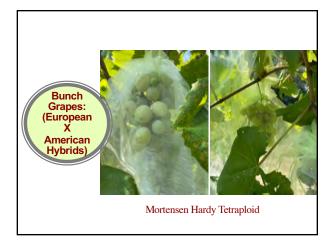


Gulf Beauty Plum
 Does better with Pollinator like Gulf Blaze or
 Gulf Ruby



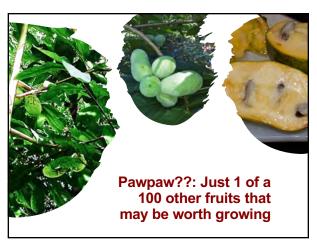










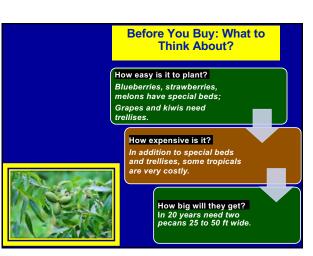


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Does it need a lot of watering? Blueberries, bunch grapes, strawberries especially do.

Does it need a lot of pruning? Pears are the worst; grapes, kiwis, and peaches also do.

Does it need protection from cold or windy weather? All semi-tropicals and tropicals do, some like guava, limes, and papaya more than others

Or like cold? Most (but not all) apples need more cold weather than we often get. Forget gooseberries.

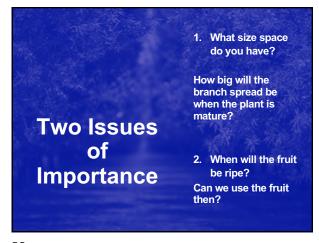
Befo	re You Buy: What to Think About?
	Will the tree get a big crop yearly? Tangerines, oranges, grapefruits, blueberries, peaches, lemons, plums, blackberries, persimmons, figs, grapes do.
	Does it provide fruit at time of year when you won't have much else? <i>Kumquats, mulberries, blackberries,</i> blueberries, calamondin, loquats fruit in early spring.
2	Great taste? Probably 100+ kinds of delicious fruit, especially if you plant the best varieties. Peachesyum.
2	When can you expect the first significant production? Melons—3 months; Strawberries 5 months; Blackberries 15 months; most others 3-7 years.
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Before You Buy: What to Think About? Does it save you money? <mark>Most will</mark> save you money. Is the plant beautiful? Pummelos, blackberries, figs, Peaches, plums, persimmons, jujubes, blueberries, and feijoas are pomegranates, and attractive.. persimmons are very expensive fruit in stores. Long lived tree? Can you get other benefits from it— Oranges, pecans, blackberries, fragrant, shade on muscadines walls, privacy screen, windbreak, butterflies or birds? Citrus does all of this.

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Harvest In Pot or 1-3 ft Month Carropy		4-7 ft. Canopy	8-12 # Canopy	15 ft Canopy	20 /t Canopy	30 ft Canopy
November	Roselle (aka Florida Chanberty)	Lenon, Line, Papaya	Kiwi, Orange, Satsuma	Persimmon	Carambola, Pecah, Pummelo	Chestnut, Tamarind
December		Lemon, Line	Orange, Mandaiths		Canistel, Pecan, Caramboia, Pummeio	Grapehult, Tamarind
January		Kumpuat, Lemon, Lime, Mysore Raspberry	Mandanns, Orange		Canistel,	Grapetruit, Tamarind
February		Kumpuat, Lernon, Mysore Raspberry	Jabolicaba, Mandanins, Orange		Canistel	Grapetruit
March	Strawberry	Kumpust, Lemon	Cherry Ro Grande, Grumichama, Jaboticaba, Mandarins, Orange	Loguet, Mulberry		Grapethult
April	Strawberty	Bueberry	Cherry Rio Grande, Mayhaw, Grumichama, Jabotcalda, Mandanns, Orange			Grapetruit
May	Blackberry, Strawberry	Busberry, Lime, Drickasaw Plum, Cantaloupe	Cherry Ro Grande, Giumichama, Jabotcaba, Mayhaw, Orange	Cherry, Nectarine, Peach, Plum	Lychee	Orápelhull, Mango
June	Blaskberry, Dragon Fruit, Bunch Grape. Groundcherry	Bueberry, Little Chickasaw Plum, Cantaloupe	Apple Cherry, Fig. Plu Wampee, Guay Nectarine, Plas		Carambola, Lychee, White Sapole	Cotomut. Mango
July	Pinaspple, Bunch Grape, Blackberry, Dragon Fruit	Banana, Lime, Papeya, Cantaloupe, Sugar Apple, Pomegranate	Che, Jujube, Olive, Pewpew	Fig. Guave, Pear, Wansee	Carambola, White Sapote	Aveciado, Mángo Longa Coconul,
August	Philebole, Dragon Fruit, Bunch Grape,	Banana, Line, Papeys, Sweet Mussadine, Pomogranate, Bugar Apple	Che, Dive, Paepaw	Guava, Pear, Wangeo	Carambola, White Sapote	Avocaldo, Cocornut, Longari, Mang
September	Prisapple, Peanut, Paesionfruit, Oragon Fruit	Banana, Lime, Papeya, Pomegranale, Sugar Apple	gar Che, KWI, Satsuma, gar Olive, Paegae	Guava, Persiminto	Carambola, White Sapote, Pummelo	Avocado, Coconut, Longan, Mano
October Phalepole, Dragon Banana, Lime, Pr Fruit,		Banana, Lime, Papeya	Peljóá, Kiel, Satsumé	Quava, Persimmon	Carambola, White Sapote, Pummelo, Pacan	Avócado, Cotonus Chestinut

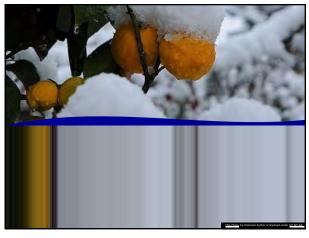
Harvest Month	In Pot or 1-3 ft Canopy	4-7 ft. Canopy	8-12 # Canopy	15 ft Canopy	20 ft Canopy	30 ft Canopy Chestnut, Tamarind
November	Roselle (aka Florida Chanberry)	Lenon, Line, Papaya	Kiwi, Otange, Satsuma	Persimmon	Carambola, Pecan, Pummelo	
December	This	s table is for	und in Year-l	Round Fo	od K, Pecan,	Grapehuit, Temerind
January	Ga	rdening for	Houston and	d Southeas	st "	Grapetruit, Temarind
February	Т	exas pp 347	-348. For ve	endors see	al	Grapetruit
March	Strawbert	11	indFoodGar			Grapettuit
April	Strawber		74:101		Conta	Grapetruit
				- 20 C 1997		
May	Blackberry, Strawberry	Bueben Drickasi Cantaloi	Service .			Grépéhuit, Mango
May		Chickas				
	Strawberty Blackberty, Dragon Fnuit, Bunch Grage.	Drickas Cantalos Bueber Crickas				Margo Cotomut, Marigo Avecado,
June	Strawberry Blackberry, Dragon Fruit, Bunch Grape. Groundcherry Pinaspple, Bunch Grape, Blackberry,					Mango Cosonut, Mango Avocado, Mango Longan
June	Strawberty Blaskberty, Dragon Fruit, Bunch Grape. Groundcherty Pinaapple, Blunch Grape, Blackberty, Dragon Fruit Pinaepple, Dragon	Droban Cardado Droban Droban Cardado C			Sapote, Pummelo	Mango Cotonut, Mango Avociado, Mango Longan Cotonut, Avociado, Cotonut,



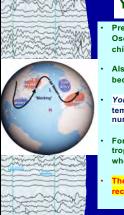
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Yearly Winter Weather Pressure oscillations like El Niño & the Arctic Oscillation cause some winters to have more chill or lower temperatures than others.

- Also, the polar jet stream may be weakening because of climate change.
- You need to know how often the chill or low temperature is above or below a certain number.
- For example, I may be willing to protect a tropical guava or papaya 1 night in 10 years when it goes below 28°, but not 9 years in 10.
- Therefore, get good variety recommendations for your area

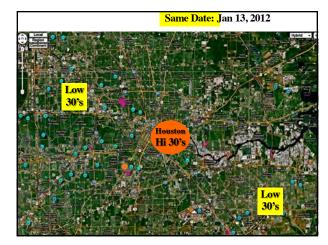


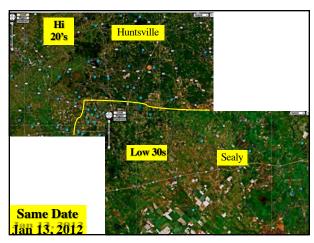
Very Cold Nights

- On very cold nights, cities and built-up areas are warmer than surrounding rural areas.
- So too are Gulf Coast barrier islands like Galveston Island.
- Also, there may be 7° difference between the warmest part of a yard and the coldest part!
- For example...



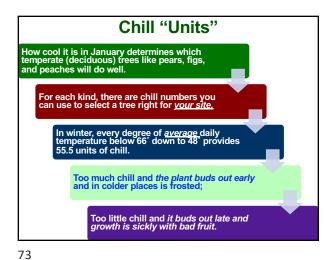












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YearRoun	dGardening.ME	Winter Low Temperatures (F')			Winter Chill (in Chill Units)					
Harris County Then Alphabetical by County -	© 2013 Bob Randall Year Round Gardening Weather Station	YRG Winter Low Temp Zone	1992-12 50% Low Temps = or Above Number In Cell	Temps = or Above Number In		YRG Winter Chill Zone	= or Below Range In	1992-12 50% Chill = or Below Range In Cell	75% Chill = or Below	1992-12 100% Chill = or Below Range In Cell
Harris	Houston Hobby AP	9b+	28	23	20	9b	200-399	400-599	600-799	800-999
Harris	Port of Houston	10a-	30	23	20	9b-	400-599	400-599	600-799	1000-1199
Harris	Ellington Field	10a-	30	23	20	9a+	200-399	600-799	600-799	800-999
Harris	Baytown(19)	9b+	28	20	20	9a+	400-599	600-799	600-799	800-999
Harris	Intercontinental AP	9b-	25	20	18	9a+	400-599	600-799	600-799	800-999
Harris	Spring/Tomball AP	9b-	25	18	15	9a	400-599	600-799	800-999	1000-1199
Harris	Med Center Area ??	10a-	30	28	23	9b	200-399	400-599	600-799	800-999

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 Deciding what to Plant

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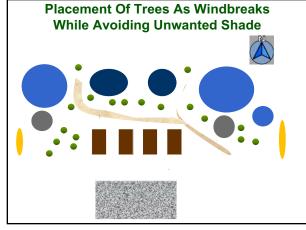
 Planting the Tree

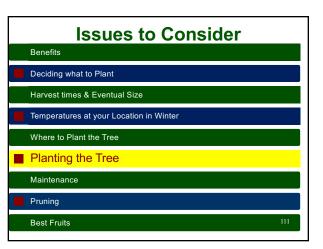
 Maintenance

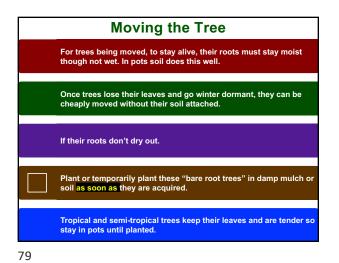
 Pruning

 Best Fruits









 When to Plant the Tree

 Deciduous trees should be planted as soon as they are dormant Nov. to Feb. Earlier is better.

 Semi-tropicals should be kept in pots until all danger of frost passes.

 If temperatures forecasts are below 40°, bring these indoors over night.

 Put them outside when temperatures go back up.

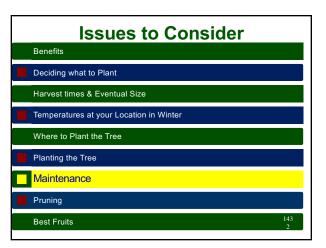
 Plant semi-tropicals in mid-March.

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 Site the plant where it will have enough space & sunlight.
 Create landscape benefits; avid problems, have enough drainage.
 Dig a hole bigger than the pot or root ball. Put the tree at same depth it grew previously.

 First roots should be just at ground level and if there is a graft scar, clearly visible.
 In clay, to prevent drowning, do not add different soil.
 Cultivate the first 6 inches of soil out ao around the hole.

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Mulches

- Trees need decomposing ligneous material on the surface of the soil.
- This fosters fungal decomposition and beneficial microbe tree interactions.
- These fungi are eaten by predator micro-organisms that are eaten in turn by others.
- These provide nitrogen and micro-nutrients for tree roots.
- In such soils, mycorrhiza and rhizofageous bacteria form beneficial nutrient exchanges with tree roots.
- Trees thrive.

 Good

 Bood
 Bood

 Bood
 Bood

Maintenance

- Put down mulch several inches thick.
- If you don't have the energy to remove lawn or weeds, mow and put down cardboard or 10 sheets of newspap before covering with mulch.
- Mulch out at least to the drip line (furthest branch).
- Don't mulch within 2 inches of the trunk.
- Protect from rampaging weed trimmers
- In hot weather, if it hasn't rained a lot, check young tre for moist soil (finger test under mulch) twice a week.

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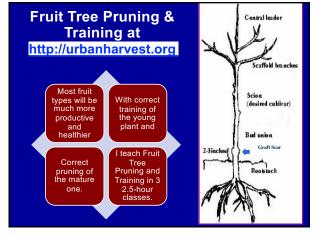
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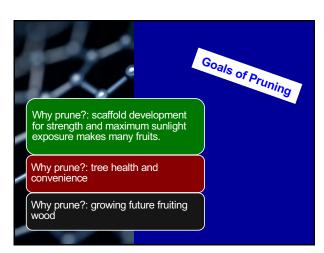


DON'T DROWN PLANTS

If you have access to cheap quality water, trees will produce more regularly watered.













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l will post these slides as a pdf within a month at http://YearRound Gardening.ME

