


Low Maintenance Roses for Florida

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UF IFAS Extension UNIVERSITY OF FLORIDA Gardening SOLUTIONS

Earth-Kind® Rose Program

- Began at Texas A & M University in 1996
- Own-root roses
- Tolerant of alkaline soils
- No sprays, fertilizer, pruning – minimal water
- Rigorously evaluated
- 23 roses selected (2001-2010)
- Now a national and international program



National Earth-Kind® Rose Research Study



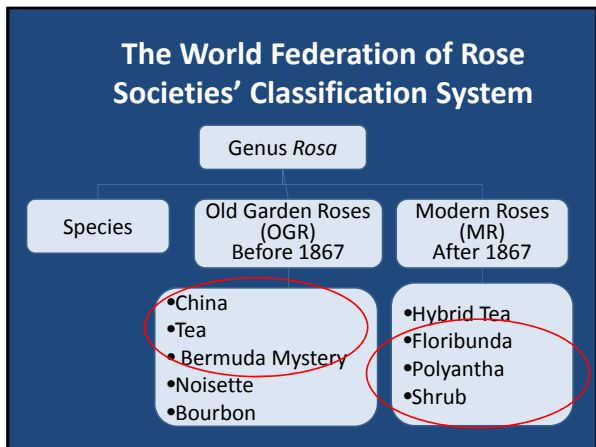
2014 dwarf rose evaluation – Earth-Kind Trial
LSU-Hammond Research Station

Jan 2008

- North Florida
– NFREC, Quincy
- Central Florida
– GCREC, Plant City
- South Florida
– IRREC, Fort Pierce

Florida Research Low Maintenance Shrub Rose

- Goal: develop recommendations of low maintenance rose varieties for north, central, and south Florida.



12 Rose Varieties – 6 replicates of each

6 Modern Roses

- Knock Out®* - Shrub
- Home Run - Shrub
- Belinda's Dream* - Shrub
- Carefree Beauty* - Shrub
- Bailey Red - Floribunda
- Perle d'Or* - Polyantha

6 OGR / Heritage Roses

- Louis Philippe - China
- Old Blush - China
- Mutabilis* - China
- Duchesse de Brabant* - Tea
- Mrs. B. R. Cant - Tea
- Spice* - Bermuda Mystery



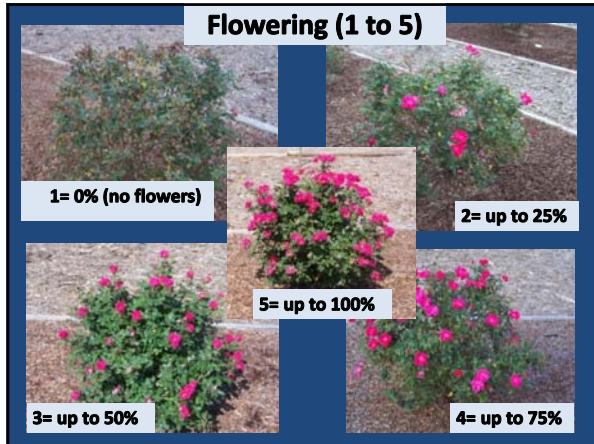


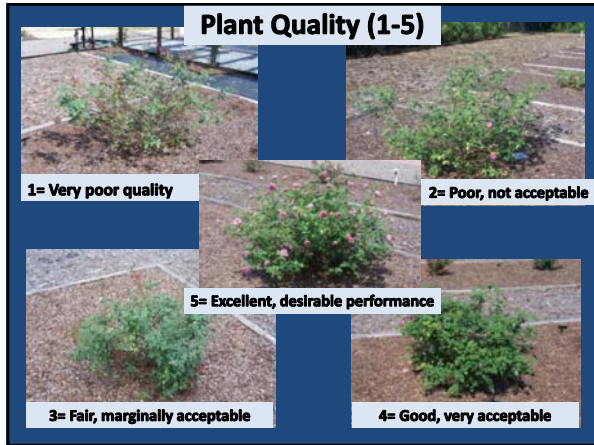
FL Low Maintenance Rose Study

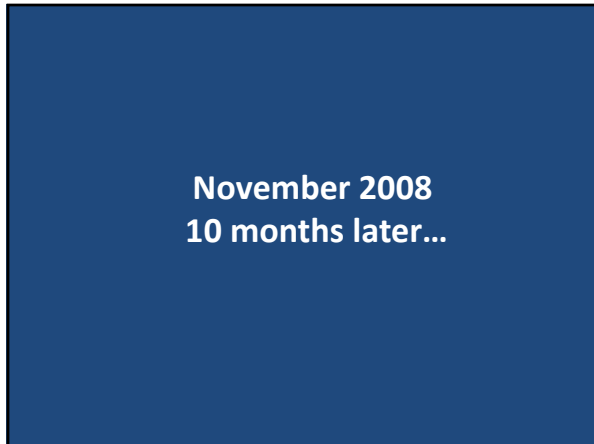
- Not grafted – own root
- Rows amended with Black Kow & mulched
- Fertilized 2x/year; 15-9-12 Osmocote (6 month)
- Drip irrigated 1 gall/plant 1-2x week
- No pesticides; weeds hand-pulled
- Pruning : dormant season 1x/year



Old Blush

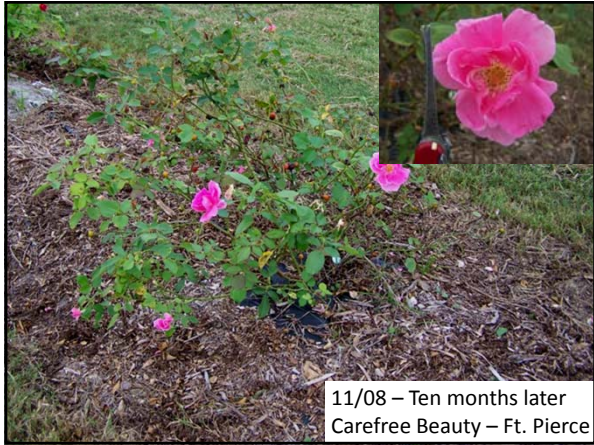








11/08 – Ten months later
Carefree Beauty - Quincy



11/08 – Ten months later
Carefree Beauty – Ft. Pierce



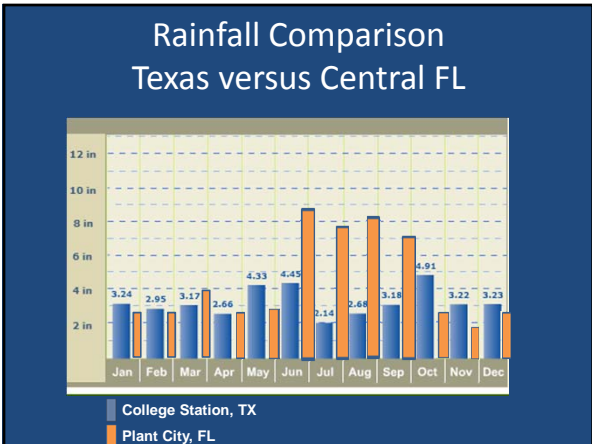
11/08 – Ten months later
Carefree Beauty – Plant City

Why the Differences?

Regional Differences

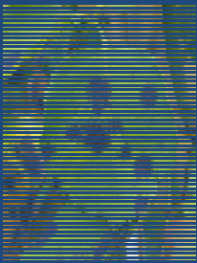
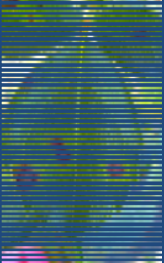
- Soil type
- Winter low temperatures
- Length of the growing season
- Rainfall
- Pests

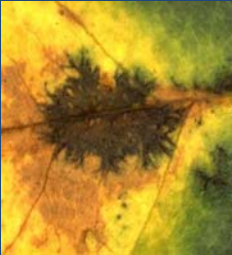
Average Annual Rainfall
Quincy = 60+“
Plant City = 53“
Ft. Pierce = 53”



Leafspot Diseases of Roses

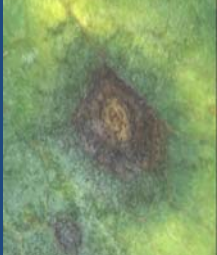
- **Black Spot**
<http://edis.ifas.ufl.edu/pp268>
- **Cercospora Leafspot**
<http://edis.ifas.ufl.edu/pp267>



Blackspot

Brown to black spots with fringed edges. A yellow margin or halo develops around each spot. Spots may grow together and form large blotches. Yellowing and defoliation follows.



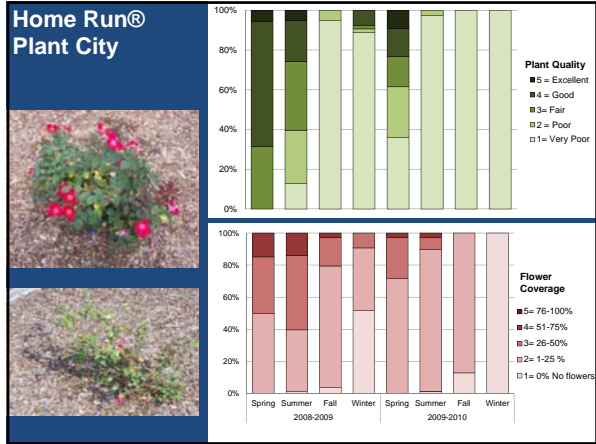
Cercospora Leafspot

Maroon to purple spots; center turns tan to almost gray in color; margin remains maroon to dark purple. Yellowing and defoliation follows.

Disease Susceptibility – Plant City

- **Black Spot**
Least to Most Affected:
- Home Run®
- Knock Out®
- Perle d'Or
- Carefree Beauty
- Mrs. B. R. Cant
- Spice
- Duchesse de Brabant
- Belinda's Dream
- Old Blush
- Bailey Red
- Mutabilis

- **Cercospora Leaf Spot**
Least to Most Affected:
- Old Blush
- Mutabilis
- Bailey Red
- Mrs. B. R. Cant
- Belinda's Dream
- Spice
- Knock Out®
- Perle d'Or
- Duchesse de Brabant
- Carefree Beauty
- Home Run®







Poll
Chilli Thrips in your County?

**Chilli Thrips Tolerance – Plant City
Most to Least**


Cultivar	Group	Class
'Mrs. B. R. Cant'	OGR	Tea
'Old Blush'	OGR	China
'Bailey Red'	MR	Floribunda
'Belinda's Dream'	MR	Shrub
'Carefree Beauty™'	MR	Shrub
'Perle d'Or'	MR	Polyantha
Knock Out®	MR	Shrub
'Home Run®'	MR	Shrub
'Spice'	OGR	Bermuda (China)
'Duchesse de Brabant'	OGR	Tea
'Mutabilis'	OGR	China

**End of 2-year Trial
December, 2009**

After two years - Quincy

<p><u>Modern roses</u></p> <ul style="list-style-type: none"> • Knock Out* • Home Run* ▲ Belinda's Dream* ▲ Carefree Beauty* ▲ Bailey Red ▲ Perle d'Or* 	<p><u>Old Garden Roses</u></p> <ul style="list-style-type: none"> ▲ Louis Philippe - China ▲ Old Blush - China • Mutabilis* - China ▲ Duchesse de Brabant* - Tea • Mrs. B. R. Cant - Tea • Spice* - Bermuda
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Highlighted=Best Performers
 Moderate Performers
 * Declined the third year



After two years – Ft. Pierce

<p><u>Modern roses</u></p> <ul style="list-style-type: none"> • Knock Out* • Home Run* • Belinda's Dream* • Carefree Beauty* ▲ Bailey Red ▲ Perle d'Or* 	<p><u>Old Garden Roses</u></p> <ul style="list-style-type: none"> • Louis Philippe - China ▲ Old Blush - China ▲ Mutabilis* - China ▲ Duchesse de Brabant* - Tea • Mrs. B. R. Cant - Tea • Spice* - Bermuda
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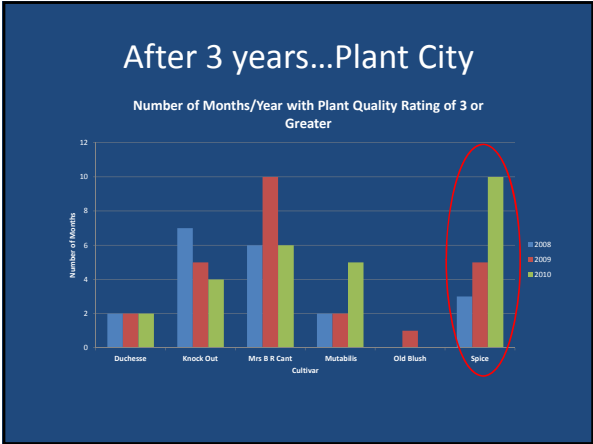


After two years...Plant City

<p><u>Modern roses</u></p> <ul style="list-style-type: none"> • Knock Out* ▲ Home Run ▲ Belinda's Dream* ▲ Carefree Beauty* ▲ Bailey Red ▲ Perle d'Or* 	<p><u>Old Garden Roses</u></p> <ul style="list-style-type: none"> • Louis Philippe - China • Old Blush - China • Mutabilis* - China • Duchesse de Brabant* - Tea • Mrs. B. R. Cant - Tea • Spice* - Bermuda
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Best Performer
 Moderate Performers
 Kept in garden for further observation
 Dead or dying-removed





Low-Maintenance Roses

- ✓ Best performers state-wide from study:
 - Mrs. B. R. Cant – OGR/Tea
 - Spice – OGR/Bermuda
 - Louis Philippe – OGR/China
 - Knock Out – Modern (chilli thrips/Cercospora)
- ✓ Remember OGRs “Sleep, Creep, Leap”
- ✓ Prune lightly – especially Teas
- ✓ Mulch well

‘Mrs. B. R. Cant’

- Tea - 1901
- Parentage – unknown
- Medium pink color
- Double blooms 3-5”

'Mrs. B. R. Cant' – Pros/Cons

- Intermediate susceptibility to black spot and cercospora leafspot
- Low susceptibility to chilli thrips damage
- Minimal yellowing and defoliation
- Good cut flower
- Light fragrance
- Sprawling bush to 8-10 ft



'Spice'

- Bermuda Mystery
- Introduction – unknown
- Parentage – unknown
- 3" double flowers
- White to light pink
- Growth 4-6'



'Spice' Pros/Cons

- High susceptibility to black spot
- Intermediate susceptibility to Cercospora
- High susceptibility to chilli thrips
- Despite pest problems - defoliation was low; maintained fair quality
- Continually flowers; peppery fragrance
- Compact form-4'; nice foliage



'Louis Philippe'

- aka "Florida Cracker Rose"
- China - 1834
- Parentage – unknown
- Rose crimson
- Double blooms 2-3"



'Louis Philippe' Pros/Cons

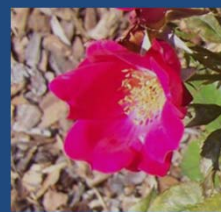
- Resistant to Black Spot
- Resistant to chilli thrips
- Fragrant
- Gangly; 7-8'



30-year old Louis Philippe

Knock Out®

- Modern: Shrub
- Introduced in 1999
- Seedling 'Carefree Beauty' × Seedling 'Razzle Dazzle'
- Cherry color
- 3", single-petaled, single or clusters



Knock Out® - Pros/Cons

- Low susceptibility to black spot
- High susceptibility to Cercospora leaf spot
- Intermediate susceptibility to chilli thrips
- Continuous flowers; good cut
- A true “shrub-type” rose; 4’; new foliage maroon



Spring, 2011 – Plant City

2014 Update

Today in Quincy

- 2014 – Rose garden renovated
- Replanted *recommended* roses from study...
- ...and Star roses evaluated since 2008.
- From study: Mrs. B. R. Cant
Louis Philippe
Knock Out®^{EK}
Mutabilis^{EK}
Spice^{EK}
- See hand-out on low maintenance roses

Today in Plant City

- Survivors reduced to two replicates (2012)
- All Knock Outs removed
- Replaced with OGRs (numerous BMRs), the Drift® series, and a few other Star varieties.
- ‘Spice’, ‘Louis Philippe’, and ‘Mrs. B. R. Cant’ still good performers; others wax and wane.
- White ‘Smith’s Parrish’ very good.



Today in Ft. Pierce

- Roses were transplanted at end of trial and neglected.
- Survivors – best to worst in appearance:
Mrs. B. R. Cant
Louis Philippe
Spice
Knock out

Poll

Your recommendation(s) for easy-care roses?



"We can complain because rose bushes have thorns, or rejoice because thorn bushes have roses."

- Abraham Lincoln
