

# Advanced Bermudagrass Trial for use on Golf Courses

## Sponsor: Florida Golf Course Superintendents Association

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Trial Locations: Citra, FL; Davie, FL; Jay, FL

### Objectives:

1. Evaluate advanced lines of each species for use on fairways.
2. Identify lines with the best year-round performance, focus on winter months
3. Compare traffic and drought tolerance for the fairway trials

### Turf Quality, Citra, FL

Entry	2- Nov	21- Nov	9- Dec	15- Dec	21- Dec	16- Jan	16- Feb	21- Feb	5- Mar	4- Apr	4- May	2- Jul	6- Aug	30- Aug	29- Sep	TPI*
FB1630	8.0	7.3	7.7	5.3	5.7	4.3	6.0	6.7	6.7	6.7	6.7	8.0	6.7	6.7	7.0	15
TifTuf	8.0	6.7	6.7	6.0	5.3	4.7	5.3	6.0	6.7	5.7	6.0	7.0	6.7	6.0	5.7	14
FB1628	7.0	6.7	6.7	5.3	5.0	5.0	5.3	6.0	5.7	5.0	5.3	6.7	6.3	7.0	7.0	13
Bimini	6.3	6.3	5.7	5.7	3.7	4.3	5.3	5.3	5.7	5.7	6.3	7.3	5.7	4.7	4.3	9
FB1633	7.0	5.7	5.7	5.7	5.0	5.0	5.7	5.7	6.3	5.3	6.3	6.3	5.7	5.0	5.0	9
FB1634	7.0	6.3	6.0	4.7	5.0	4.0	5.3	6.0	6.0	6.0	6.7	5.7	5.0	5.0	6.3	9
FB1636	6.0	5.7	5.3	5.3	4.3	4.7	5.0	6.0	5.3	5.3	6.7	7.0	4.3	4.0	5.0	5
FoxFire03	6.3	5.7	5.3	5.0	4.0	3.7	4.7	5.3	5.3	5.0	6.0	7.0	5.7	4.7	5.3	3
SW02	5.3	4.3	4.7	4.3	2.7	3.3	3.7	4.0	4.3	4.7	5.3	5.3	5.3	5.7	6.3	3
FB1629	5.7	5.0	4.0	4.3	4.0	3.0	4.3	4.3	4.0	4.3	5.3	5.3	6.0	5.7	5.7	2
FB1632	5.3	5.0	4.7	4.7	3.3	4.3	5.0	5.3	4.7	5.0	5.7	6.0	4.7	4.7	5.7	2
FoxFire01	6.3	5.0	5.3	4.3	4.0	4.0	5.0	5.3	5.0	5.0	5.3	5.3	6.0	5.3	5.7	2
Celebration	5.0	4.3	3.0	3.3	2.0	3.0	3.7	3.7	4.0	4.0	4.3	4.7	4.7	4.3	6.3	1
FB1631	5.3	5.3	4.7	4.0	3.7	2.7	4.3	4.7	5.0	5.0	5.3	5.7	5.0	4.7	5.0	1
Tifway	3.7	3.3	2.3	2.3	2.0	2.3	3.0	3.3	3.7	3.7	4.0	6.0	5.0	5.0	5.0	0

\*TPI = Turf Performance Index = the number of times an entry was in the top statistical group. Indicated by green highlight

### Quality, Ft. Lauderdale

Entry	2- Feb	18- May	25- Jul	6- Sep	12- Oct	TPI*
FB1631	7.0	7.0	7.0	7.5	8.5	5
FB1632	7.0	6.7	7.0	7.0	7.7	5
Bimini	6.7	6.7	6.3	7.3	8.3	5
Celebration	6.3	6.7	6.7	7.7	8.0	5
FB1636	6.7	7.0	6.7	7.7	8.0	5
FB1633	7.0	7.0	6.7	7.3	7.3	4
FB1634	7.0	7.0	6.0	7.0	7.7	4
Foxf01	6.7	7.0	6.3	7.0	7.3	4
FB1628	7.0	6.7	7.0	6.7	7.3	3
FB1630	7.0	7.0	6.0	7.3	7.3	3
Foxf03	6.7	6.7	6.3	6.7	7.3	3
Latitude 36	6.7	6.7	6.3	6.0	6.7	3
TifTuf	7.0	7.0	6.0	7.0	7.3	3
Tifway	6.7	7.0	6.7	6.0	7.0	3
FB1629	6.7	6.7	6.7	6.7	7.3	3

\*TPI = Turf Performance Index = the number of times an entry was in the top statistical group. Indicated by green highlight

### Quality, Jay, FL

Entry	26- Jun	24- Jul	29- Aug	25- Sep	TPI*
Latitude 36	7.7	7.3	6.3	8.3	4.0
FB1628	7.7	7.3	7.3	7.7	4.0
TifTuf	7.3	7.3	7.3	8.0	4.0
Celebration	7.0	7.0	5.3	6.7	3.0
FB1633	6.7	7.3	6.0	6.7	3.0
Foxfire03	7.0	6.7	6.3	6.7	3.0
FB1632	6.3	6.7	6.3	6.0	3.0
Tifway	7.3	6.0	6.3	7.7	3.0
FB1630	7.3	7.0	6.3	7.0	3.0
FB1636	6.7	6.3	5.7	6.7	2.0
FB1634	6.7	6.3	6.3	7.3	2.0
Bimini	6.3	6.3	5.0	6.0	2.0
FB1631	6.7	6.0	6.0	6.0	2.0
Foxfire01	7.3	6.0	6.7	7.3	2.0
FB1629	6.3	6.0	6.0	6.3	2.0

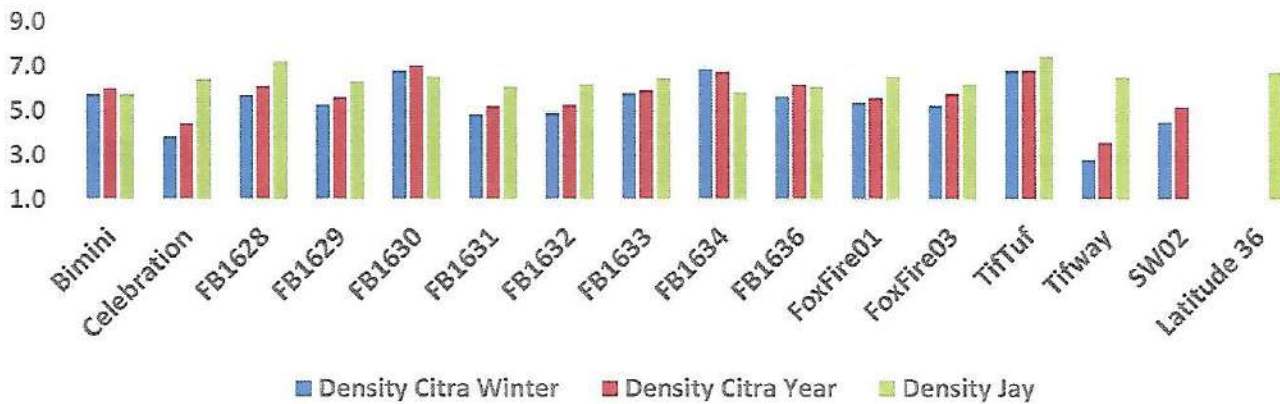
\*TPI = Turf Performance Index = the number of times an entry was in the top statistical group. Indicated by green highlight

### Bipolaris Disease

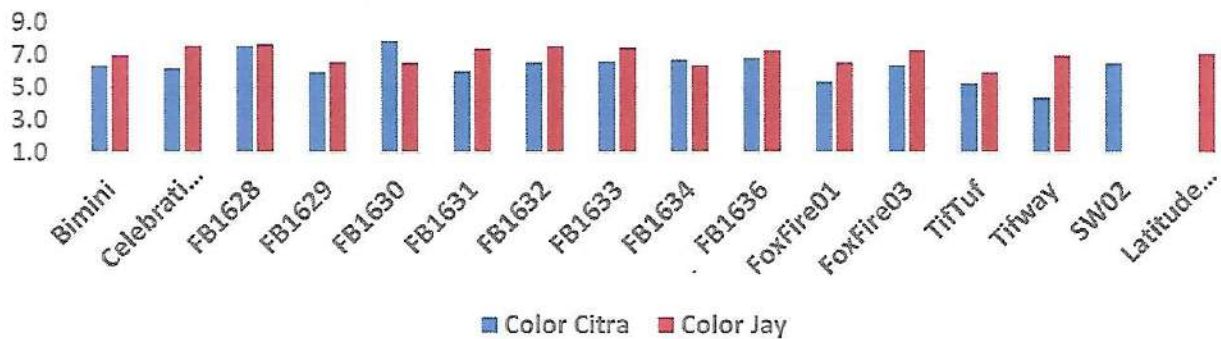
Entry	9-Dec	15-Dec	5-Mar	2-Jul	6-Aug	30-Aug	29-Sep	TPI*
FB1628	8.0	7.0	9.0	9.0	8.0	8.7	8.7	7
Tifway	7.0	6.7	8.3	9.0	8.0	6.0	5.7	4
Bimini	7.3	6.3	8.7	6.0	4.0	4.3	5.0	3
FB1630	7.0	4.7	8.7	8.0	7.0	7.0	7.0	3
FB1633	8.3	7.3	8.7	6.7	5.0	5.3	5.3	3
FoxF01	4.7	3.7	7.0	8.7	7.7	8.7	7.3	3
Celebration	8.0	5.3	7.0	8.3	6.0	6.0	6.0	2
FB1629	5.0	4.0	6.3	8.3	6.0	7.7	6.0	2
FB1632	8.0	6.3	7.3	6.3	4.0	4.7	5.3	2
FB1636	7.3	5.7	8.3	6.3	4.0	4.0	5.3	2
SW02	7.7	5.3	7.0	7.7	6.0	6.3	5.7	2
FoxF03	7.0	6.0	7.7	8.0	5.3	5.3	5.3	1
TifTuf	6.3	5.7	8.7	7.0	5.7	5.7	5.0	1
FB1631	5.7	5.3	7.3	6.7	6.0	5.7	6.0	0
FB1634	5.3	4.0	6.7	7.3	6.3	7.0	7.0	0

\*TPI = Turf Performance Index = the number of times an entry was in the top statistical group. Indicated by green highlight

### Density at Citra and Jay, FL



### Color at Citra and Jay, FL



## Summary

### TURF QUALITY

- Entries separated for quality at Citra
- All Entries performed well at Ft. Lauderdale and Jay
- Consistent Entries
  - Citra: FB1630, FB1628 and TifTuf
  - Ft. Lauderdale: FB1631, FB1632, FB1636, Bimini and Celebration
  - Jay: FB1628, TifTuf, and Latitude 36
  - Overall: FB1628 and TifTuf

### BIPOLARIS DISEASE

- FB1628 significantly less *Bipolaris* disease during both fall and summer
- Bimini and FB1633 had less *Bipolaris* during the fall
- Foxfire01 had less *Bipolaris* during the summer

### DENSITY

- Citra: FB1630, FB1634 and TifTuf maintained good density through winter.
- Jay: FB1628, Foxfire01, Celebration, TifTuf, Latitude 36 and Tifway had good density.

### COLOR

- Citra: FB1628 and FB1630 had consistently darker color.
- Jay: Most entries had good color.

### 2017 Fairway Bermudagrass Trial Sprigged June 14/15, 2017

#### NW

Rep 1	SW02	TifTuf	FB1628	FB1634	FoxFire03
	FB1631	FB1632	FoxFire01	Tifway	Bimini
	Celebration	FB1633	FB1636	FB1630	FB1629
Rep 2	FoxFire01	FB1628	Tifway	SW02	FB1631
	TifTuf	FoxFire03	FB1630	Celebration	FB1634
	FB1629	Bimini	FB1633	FB1632	FB1636
Rep 3	FB1632	FB1636	FB1634	FoxFire01	FB1630
	FB1633	Celebration	SW02	TifTuf	FB1628
	Bimini	FB1629	FB1631	FoxFire03	Tifway