





Palm Beach County 3200 E. Palm Beach Rd Belle Glade, FL 33430 561-993-1579 Hendry County 1085 Pratt Blvd LaBelle, FL 33975 863-674-4092

9 September 2024

TO: All Sugarcane Growers

FROM: Dr. Matthew VanWeelden UF/IFAS Palm Beach County Extension Service

Christian Kammerer UF/IFAS Hendry County Extension Service

RE: Release and sale of six (6) new sugarcane varieties for Florida growers:

CP 14-4570, CP 16-1825, CP 16-4524, CP 17-1966, CP 17-2134, and

CP 17-2411

The University of Florida/IFAS in cooperation with the USDA-ARS, the Sugarcane Industry Research Committee, and our test field cooperators jointly announce the release or amended recommendation of <u>CP 14-4570</u>, <u>CP 16-1825</u>, <u>CP 16-4524</u>, <u>CP 17-1966</u>, <u>CP 17-2134</u>, and <u>CP 17-2411</u>, six (6) sugarcane varieties for Florida.

These six (6) varieties **yielded well** relative to the commercial checks and had **good disease resistance** from the plant-cane through the second-ratoon crops at multiple locations during the final testing stage of our cooperative sugarcane variety development program. Variety-specific disease resistance comments are found in the draft *Notice of Release* statements.

CP 14-4570	recommended for muck soils
CP 16-1825	recommended for muck soils
CP 17-1966	recommended for muck soils
CP 17-2134	recommended for muck soils
CP 17-2411	recommended for muck soils
CP 16-4524	recommended for sand soils

Included for each of these six (6) varieties is a draft *Notice of Release* which compares the new varieties with CP 96-1252 (both muck and sand), CPCL 05-1201 (muck only), and CPCL 97-2730 (sand only) for economic index, and yields of cane tonnage, commercial recoverable sucrose content, and sucrose yields per acre. Please refer to these reports for detailed information to help you decide how to best use each of these new varieties.

Seedcane is available for all varieties (unless noted). You may reserve seedcane by completing and returning the enclosed Seedcane Reservation Request form(s) to Wayne Davidson (address on form) as soon as possible but no later than <u>September 27, 2024</u>. Wayne will try to identify the increase station closest to you. *Please do not send payments with your form*. You will be billed after your seedcane has been delivered and the cooperating increase station has reported quantities of seedcane distributed.

cc: Sugarcane Industry Research Committee

Dr. Aliya Momotaz, Research Geneticist, USDA-ARS Sugarcane Field Station

Dr. Samira Daroub, Center Director, UF/IFAS Everglades REC

Dr. Hardev Sandhu, Associate Professor (Agronomy), UF/IFAS Everglades REC

CP 14-4570

CP 14-4570 was planted to a large increase at sand locations in 2024 and it was released for muck soils at the June 5, 2024, Variety Committee Meeting. The parentage is CP 03-1912 x CP 97-1777, and CP 14-4570 has a fiber of 12.17 on muck. CP 14-4570 is usually medium to tall in height with mostly large diameter barrels. CP 14-4570 was rated as resistant to orange rust, moderately resistant to brown rust and resistant to RSD, and moderately susceptible to leaf scald, smut, and mosaic. CP 14-4570 has the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on muck soils showed that the commercial recoverable sugar (CRS) for CP 14-4570 at 218.3 lbs/ton was significantly higher than CP 96-1252 at 203.7 lbs/ton and higher than CPCL 05-1201 at 212.1 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 14-4570, CP 96-1252, and CPCL 05-1201 respectively, was 196.1 lbs/ton, 178.6 lbs/ton and 183.2 lbs/ton. The early CRS for CP 14-4570 was higher but not significantly higher than that of CP 96-1252 and CPCL 05-1201. The tons of cane per acre (TCA) for CP 14-4570 at 65.93 tons/acre was similar to that of CP 96-1252 at 67.43 tons/acre and CPCL 05-1201 at 65.54 tons/acre. The tons of sugar/acre for CP 14-4570 were higher but not significantly higher at 7.34 tons/acre than CP 96-1252 at 7.01 tons/acre or CPCL 05-1201 at 7.21 tons/acre. The economic index ratio for CP 14-4570 vs. CP 96-1252 and CPCL 05-1201 was \$3,052/acre vs. \$2,759/acre and \$2941/acre respectively, with CP 14-4570 being higher but not significantly higher than CP 96-1252 and CPCL 05-1201.

CP 14-4570 is usually a good to excellent germinator on muck. The height of CP 14-4570 is usually moderate to tall, but tillering, and shading range from a little less than CP 96-1252 to better than CP 96-1252. CP 14-4570 is usually moderately recumbent in September and October. Leaf issues include light Ring Spot and light to moderate rust mite levels. CP 14-4570 does not usually flower. It has moderate ratoonability and wide adaptability.

CP 14-4570

I would like to purd <i>CP 14-4570</i> .	chase tons of	seedcane of the newly rele	ased sugarcane variety
price will be reduce	* '	dcane cut by the purchaser	END MONEY NOW. This r, and will be further reduced
I can/ I	cannot cut the seed	cane I wish to purchase. (M	Mark one).
I can/ I	cannot provide a lo	ader for the seedcane I wis	th to purchase. (Mark one).
I prefer to obtain m order of your delive	• ———	(s) below. Please number	(prioritize) the weeks in the
Week of	<u>Preference</u>	Week of	<u>Preference</u>
September 20		November 1	
September 27		November 8	
October 4		November 15	
October 11		November 22	
October 18		November 29	
October 25		December 6	
Farm Name:		Telephone:	
Contact Person:		Date:	
Seedcar	ne Reservation Requests s	hould be postmarked by <u>S</u>	eptember 27, 2024
Return this form to	35800 US I	vidson - Seedcane Reque HWY 98 DINT, FL 33438	st
	561-261-07 caneagrono	60 mist@gmail.com	

CP 16-1825

CP 16-1825 was not planted to a large increase at sand locations in 2022 because of concerns about leaf scald but some of the Variety Committee members expressed an interest in cleaning it up with tissue culture so it was released for muck soils at the June 1, 2023, Variety Committee Meeting. This variety will have to be planted to a large increase before it can be made available to the growers in the Fall of 2024. The parentage is CP 09-1137 x CP 01-2390, and CP 16-1825 has a fiber of 12.97 on muck. CP 16-1825 is usually medium to tall in height with mostly medium size barrels. At the Variety Committee Meeting on June 1, 2023, CP 16-1825 was rated as resistant to brown and orange rust, mosaic, and smut, and RSD but it is susceptible to leaf scald. CP 16-1825 has not yet been tested to see if it has the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on muck soils showed that the commercial recoverable sugar (CRS) for CP 16-1825 at 239.2 lbs/ton was higher but not significantly higher than CP 96-1252 at 235.7 lbs/ton and CPCL 05-1201 at 235.5 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 16-1825, CP 96-1252, and CPCL 05-1201 respectively, was 238.5 lbs/ton, 246.7 lbs/ton and 242.2 lbs/ton. The early CRS for CP 16-1825 was lower but not significantly lower than that of CP 96-1252 and CPCL 05-1201. The tons of cane per acre (TCA) for CP 16-1825 at 72.48 tons/acre was significantly higher than CP 96-1252 at 65.62 tons/acre and CPCL 05-1201 at 65.98 tons/acre. The tons of sugar/acre for CP 16-1825 were significantly higher at 8.68 tons/acre than CP 96-1252 at 7.72 tons/acre or CPCL 05-1201 at 7.82 tons/acre. The economic index ratio for CP 16-1825 vs. CP 96-1252 and CPCL 05-1201 was \$1,393/acre vs. \$1,189/acre and \$1209/acre respectively, with CP 16-1825 being significantly higher than CP 96-1252 and CPCL 05-1201.

CP 16-1825 is usually a very good germinator on muck. The height of CP 16-1825 is average to much better than average when compared to CP 96-1252. Tillering, and shading are average to above average. CP 16-1825 ranges from erect to moderately recumbent in September and October. Leaf issues include light to moderate Ring Spot and light to moderate rust mite levels. The leaves are usually broad. CP 16-1825 usually flowers lightly and late (Jan.-Feb.) and it has low cold tolerance.

CP 16-1825

I would like to purd <i>CP 16-1825</i> .	chase tons of	seedcane of the newly rele	ased sugarcane variety
price will be reduce	* '	dcane cut by the purchaser	END MONEY NOW. This r, and will be further reduced
I can/ I	cannot cut the seed	cane I wish to purchase. (N	Mark one).
I can/ I	cannot provide a lo	ader for the seedcane I wis	h to purchase. (Mark one).
I prefer to obtain m order of your delive	• ———	(s) below. Please number	(prioritize) the weeks in the
Week of	<u>Preference</u>	Week of	<u>Preference</u>
September 20		November 1	
September 27		November 8	
October 4		November 15	
October 11		November 22	
October 18		November 29	
October 25		December 6	
Farm Name:		Telephone:	
Contact Person:		Date:	
Seedcar	ne Reservation Requests s	hould be postmarked by <u>S</u>	eptember 27, 2024
Return this form to	35800 US I	vidson - Seedcane Reque HWY 98 DINT, FL 33438	st
	561-261-07 caneagrono	60 mist@gmail.com	

CP 17-1966

CP 17-1966 was planted to a large increase at muck locations in 2024 and it was released for muck soils at the June 5, 2024, Variety Committee Meeting. The parentage is CP 09-2392 x Poly 14-021, and CP 17-1966 has a fiber of 13.22 on muck. CP 17-1966 ranges from moderate in height to tall with medium to large diameter barrels. CP 17-1966 was rated as resistant to brown and orange rust, smut, and mosaic, moderately susceptible to RSD, and susceptible to leaf scald. Some light to moderate Red Stripe has also been observed. CP 17-1966 does have the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on muck soils showed that the commercial recoverable sugar (CRS) for CP 17-1966 at 219.7 lbs/ton was significantly higher than CP 96-1252 at 203.7 lbs/ton and higher than CPCL 05-1201 at 212.1 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 17-1966, CP 96-1252, and CPCL 05-1201 respectively, was 193.2 lbs/ton, 178.6 lbs/ton and 183.2 lbs/ton. The early CRS for CP 17-1966 was higher but not significantly higher than that of CP 96-1252 and CPCL 05-1201. The tons of cane per acre (TCA) for CP 17-1966 at 66.63 tons/acre was similar to that of CP 96-1252 at 67.43 tons/acre and CPCL 05-1201 at 65.54 tons/acre. The tons of sugar/acre for CP 17-1966 were higher but not significantly higher at 7.68 tons/acre than CP 96-1252 at 7.01 tons/acre or CPCL 05-1201 at 7.21 tons/acre. The economic index ratio for CP 17-1966 vs. CP 96-1252 and CPCL 05-1201 was \$3,290/acre vs. \$2,759/acre and \$2941/acre respectively, with CP 17-1966 being significantly higher than CP 96-1252 and higher than CPCL 05-1201.

CP 17-1966 is usually a very good to excellent germinator on muck. The height of CP 17-1966 is usually equal to or significantly taller than CP 96-1252 in the Spring and moderate to tall in the Fall. Tillering, and shading range from equal to CP 96-1252 to slightly better than CP 96-1252. CP 17-1966 is usually lightly to heavily recumbent in late September and October in plant cane. Leaf issues include light to moderate Ring Spot, light lesser cornstalk borers in the Spring, and light rust mite and lacebug levels. CP 17-1966 usually flowers lightly to not at all. It has good ratooning ability.

CP 17-1966

I would like to purch <i>CP 17-1966</i> .	hase tons o	of seedcane of the newly rele	ased sugarcane variety
price will be reduce	-	• •	END MONEY NOW. This and will be further reduced
I can/ I c	annot cut the see	dcane I wish to purchase. (M	fark one).
I can/ I c	annot provide a l	oader for the seedcane I wis	h to purchase. (Mark one).
I prefer to obtain my order of your delive		ek(s) below. Please number	(prioritize) the weeks in the
Week of	<u>Preference</u>	Week of	<u>Preference</u>
September 20 _		November 1	
September 27 _		November 8	
October 4		November 15	
October 11		November 22	
October 18		November 29	
October 25		December 6	
Farm Name:		Telephone:	
Contact Person: _		Date:	
Seedcan	e Reservation Requests	should be postmarked by <u>S</u>	eptember 27, 2024
Return this form to:	35800 US	avidson - Seedcane Reques HWY 98 POINT, FL 33438	s t
	561-261-0 caneagror	0760 nomist@gmail.com	

CP 17-2134

CP 17-2134 was planted to a large increase at muck locations in 2024 and it was released for muck soils at the June 5, 2024, Variety Committee Meeting. The parentage is CP 00-1630 x CP 06-2400, and CP 17-2134 has a fiber of 13.29 on muck. CP 17-2134 ranges from moderate in height to tall with small to medium diameter barrels. CP 17-2134 was rated as resistant to brown and orange rust and smut, moderately susceptible to RSD and mosaic, and susceptible to leaf scald. CP 17-2134 does not have the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on muck soils showed that the commercial recoverable sugar (CRS) for CP 17-2134 at 211.3 lbs/ton was significantly higher than CP 96-1252 at 203.7 lbs/ton and higher than CPCL 05-1201 at 212.1 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 17-2134, CP 96-1252, and CPCL 05-1201 respectively, was 187.7 lbs/ton, 178.6 lbs/ton and 183.2 lbs/ton. The early CRS for CP 17-2134 was higher but not significantly higher than that of CP 96-1252 and CPCL 05-1201. The tons of cane per acre (TCA) for CP 17-2134 at 71.15 tons/acre was higher but not significantly higher than that of CP 96-1252 at 67.43 tons/acre and CPCL 05-1201 at 65.54 tons/acre. The tons of sugar/acre for CP 17-2134 were significantly higher at 7.83 tons/acre than CP 96-1252 at 7.01 tons/acre and higher than CPCL 05-1201 at 7.21 tons/acre. The economic index ratio for CP 17-2134 vs. CP 96-1252 and CPCL 05-1201 was \$3,270/acre vs. \$2,759/acre and \$2941/acre respectively, with CP 17-2134 being significantly higher than CP 96-1252 and higher than CPCL 05-1201.

CP 17-2134 is usually a very good to excellent germinator on muck. The height of CP 17-2134 is at least equal to and usually significantly taller than CP 96-1252 in the Spring and moderate to mostly tall in the Fall. Tillering, and shading range from equal to CP 96-1252 to mostly better than CP 96-1252. CP 17-2134 is usually lightly to moderately recumbent in late September and October in plant cane. The leaves tend to be narrow and pointy. Leaf issues include light to moderate Ring Spot, light lesser cornstalk borers in the Spring, moderate to heavy rust mite levels, and light lacebug levels. CP 17-2134 usually flowers late and very lightly to not at all. It has very good ratooning ability.

CP 17-2134

I would like to purc <i>CP 17-2134</i> .	chase tons of s	seedcane of the newly rele	ased sugarcane variety
price will be reduce		lcane cut by the purchaser	END MONEY NOW. This and will be further reduced
I can/ I c	cannot cut the seedc	ane I wish to purchase. (M	fark one).
I can/ I c	cannot provide a loa	der for the seedcane I wis	h to purchase. (Mark one).
I prefer to obtain m order of your delive	•	(s) below. Please number	(prioritize) the weeks in the
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Return this form to	35800 US H	idson - Seedcane Reques WY 98 INT, FL 33438	it
	561-261-076 caneagronor	50 nist@gmail.com	

CP 17-2411

CP 17-2411 was planted to a large increase at muck locations in 2024 and it was released for muck soils at the June 5, 2024, Variety Committee Meeting. The parentage is CP 10-2002 x CPCL 02-8021, and CP 17-2411 has a fiber of 15.35 on muck. CP 17-2411 ranges from tall to very tall with a wide range of small to large diameter barrels. CP 17-2411 is rated as resistant to brown and orange rust, smut, mosaic, and leaf scald but moderately susceptible to RSD. CP 17-2411 does have the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on muck soils showed that the commercial recoverable sugar (CRS) for CP 17-2411 at 208.0 lbs/ton was higher but not significantly higher than CP 96-1252 at 203.7 lbs/ton and higher than CPCL 05-1201 at 212.1 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 17-2411, CP 96-1252, and CPCL 05-1201 respectively, was 186.1 lbs/ton, 178.6 lbs/ton and 183.2 lbs/ton. The early CRS for CP 17-2411 was higher but not significantly higher than that of CP 96-1252 and CPCL 05-1201. The tons of cane per acre (TCA) for CP 17-2411 at 66.95 tons/acre was higher but not significantly higher than that of CP 96-1252 at 67.43 tons/acre and CPCL 05-1201 at 65.54 tons/acre. The tons of sugar/acre for CP 17-2411 were not significantly higher at 7.27 tons/acre than CP 96-1252 at 7.01 tons/acre or CPCL 05-1201 at 7.21 tons/acre. The economic index ratio for CP 17-2411 vs. CP 96-1252 and CPCL 05-1201 was \$2,949 acre vs. \$2,759/acre and \$2941/acre respectively, with CP 17-2411 being higher but not significantly higher than CP 96-1252 and higher than CPCL 05-1201.

CP 17-2411 is usually a very good to excellent germinator on muck. The height of CP 17-2411 is slightly below to slightly taller than CP 96-1252 in the Spring, and tall to very tall in the Fall. Tillering is equal to or usually much better than CP 96-1252, while shading ranges from slightly less to slightly more than CP 96-1252. CP 17-2411 ranges from lightly recumbent to heavily recumbent in late September and October in plant cane. Leaf issues include light lesser cornstalk borers in the Spring, light rust mite levels, and light lacebug levels. CP 17-2411 usually flowers moderately to heavily and it has good ratooning ability.

CP 17-2411

I would like to purc <i>CP 17-2411</i> .	hasetons o	f seedcane of the newly rele	ased sugarcane variety
price will be reduce	*		END MONEY NOW. This , and will be further reduced
I can/ I c	cannot cut the seed	dcane I wish to purchase. (M	fark one).
I can/ I c	cannot provide a le	oader for the seedcane I wis	h to purchase. (Mark one).
I prefer to obtain my order of your delive		k(s) below. Please number	(prioritize) the weeks in the
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Contact Person: _		Date:	
Seedcan	e Reservation Requests	should be postmarked by <u>S</u>	eptember 27, 2024
Return this form to:	35800 US	avidson - Seedcane Reques HWY 98 OINT, FL 33438	st
	561-261-0 caneagron	760 omist@gmail.com	

CP 16-4524

CP 16-4524 was planted to a large increase at sand locations in 2024 and it was released for sand soils at the June 5, 2024, Variety Committee Meeting. The parentage is CP 07-2134 x CP 09-4251, and CP 16-4524 has a fiber of 13.32 on muck. CP 16-4524 ranges in height from mostly moderate to tall with mostly medium to some large diameter barrels. CP 16-4524 is rated as resistant to brown and orange rust, smut, and mosaic, moderately resistant to leaf scald, and moderately susceptible to RSD. CP 16-4524 does not have the *Bru1* gene that is one of the indicators for brown rust resistance.

The three-year production summary on sand soils showed that the commercial recoverable sugar (CRS) for CP 16-4524 at 230.2 lbs/ton was lower but not significantly lower than CP 96-1252 at 235.2 lbs/ton and CPCL 97-2730 at 239.9 lbs/ton. Early CRS is measured only once in plant cane and the early CRS for CP 16-4524, CP 96-1252, and CPCL 97-2730 respectively, was 245.79 lbs/ton, 208.18 lbs/ton and 237.8 lbs/ton. The early CRS for CP 16-4524 and CPCL 97-2730 was significantly higher than that of CP 96-1252. The tons of cane per acre (TCA) for CP 16-4524 at 53.79 tons/acre was higher but not significantly higher than that of CP 96-1252 at 46.73 tons/acre and significantly higher than CPCL 97-2730 at 39.53 tons/acre. The tons of sugar/acre for CP 16-4524 were not significantly higher at 6.39 tons/acre than CP 96-1252 at 5.71 tons/acre but significantly higher than CPCL 97-2730 was \$2,652 acre vs. \$2,320/acre and \$2,003/acre respectively, with CP 16-4524 being higher but not significantly higher than CPCL 97-2730.

CP 16-4524 is usually a very good to excellent germinator on sand. The height of CP 16-4524 is usually much taller than CP 96-1252 in the Spring, but it has ranged from short to tall in the Fall. Tillering is usually equal to somewhat better than CP 96-1252 and shading is equal to or usually much better than CP 96-1252. CP 16-4524 ranges from lightly to heavily recumbent in mid to late September in plant cane. Leaf issues include light to moderate rust mite levels, and light to moderate ring spot. CP 16-4524 does not usually flower and it has very good ratooning ability.

CP 16-4524

I would like to purch CP 16-4524.	hase tons o	f seedcane of the newly rele	ased sugarcane variety
price will be reduce	• '		END MONEY NOW. This , and will be further reduced
I can/ I c	cannot cut the see	dcane I wish to purchase. (M	Iark one).
I can/ I c	annot provide a l	oader for the seedcane I wis	h to purchase. (Mark one).
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	561-261-0 caneagron	0760 omist@gmail.com	