



Palm Beach County
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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 CP 14-4570, CP 16-1825, CP 16-4524, CP 17-1966, CP 17-2134, and CP 17-2411, 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 September 27, 2024. 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

SEEDCANE RESERVATION REQUEST

CP 14-4570

I would like to purchase _____ tons of seedcane of the newly released sugarcane variety **CP 14-4570**.

I agree to pay \$52.00 per ton (cut and loaded) when billed. **DO NOT SEND MONEY NOW**. This price will be reduced by \$7.00 per ton for seedcane cut by the purchaser, and will be further reduced by \$3.00 per ton for seedcane loaded by the purchaser.

I can _____ / I cannot _____ cut the seedcane I wish to purchase. (Mark one).

I can _____ / I cannot _____ provide a loader for the seedcane I wish to purchase. (Mark one).

I prefer to obtain my **CP 14-4570** in the week(s) below. Please number (prioritize) the weeks in the order of your delivery preference.

<u>Week of</u>	<u>Preference</u>	<u>Week of</u>	<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: _____

Seedcane Reservation Requests should be postmarked by September 27, 2024

Return this form to: **Wayne Davidson - Seedcane Request**
35800 US HWY 98
CANAL POINT, FL 33438

561-261-0760
caneagronomist@gmail.com

Note: Please complete a copy of this form for each individual order of seedcane.

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.