



2020 North Carolina Floral Hemp Variety Testing Results

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			Lenoir Co. (Coastal Plain)								Rowan Co. (Piedmont)							Buncombe Co. (Mountains)								
Cultivar	Transplant Type	Origin	Flowering Date ^d	Harvest Date	Height (ft)	Width (ft)	Biomass (lb/plant)	Total CBD (%) ^b	CBG (%)	Total THC (%) ^c	Flowering Date	Harvest Date	Height (ft)	Width (ft)	Biomass (lbs/plant)	Total CBD (%)	CBG (%)	Total THC (%)	Flowering Date	Harvest Date	Height (ft)	Width (ft)	Biomass (lbs/plant)	Total CBD (%)	CBG (%)	Total THC (%)
BaOx	Clone	Triangle Hemp	29-Jul	16-Sep	3.09 ab ^a	4.14 b	0.72 bcd	3.24 e	0.07 b	0.07 d	10-Aug	7-Sep	3.38 bc	4.69 bc	1.82 b	10.09 ab	0.25 b	0.26 abc	13-Aug	30-Sep	2.44 d	3.46 bc	0.56 bc	16.53 abc	0.15 b	0.54 a
Elektra	Clone	Rye's Greenhouse	10-Jul	2-Sep	3.61 a	3.88 b	1.15 b	11.95 a	0.22 b	0.48 a	8-Jul	31-Aug	3.70 abc	4.45 c	1.43 bc	11.2 a	0.17 b	0.27 ab	22-Jun	7-Sep	2.86 cd	2.79 c	0.63 bc	19.22 a	0.20 b	0.62 a
Cherrywine	Clone	Rye's Greenhouse	18-Aug	30-Sep	3.44 ab	5.79 a	1.83 a	10.01 ab	0.10 b	0.27 b	17-Aug	5-Oct	4.43 a	5.86 ab	3.16 a	8.58 abc	0.16 b	0.26 abc	13-Aug	30-Sep	3.35 bc	4.59 a	0.74 ab	12.72 dc	0.10 b	0.42 a
Cherry Citrus	Clone	Rye's Greenhouse	18-Aug	30-Sep	3.55 a	5.93 a	2.00 a	9.15 bc	0.12 b	0.26 b	17-Aug	5-Oct	4.30 ab	6.16 a	2.79 a	10.34 ab	0.18 b	0.29 ab	13-Aug	30-Sep	3.38 bc	4.37 ab	0.71 abc	12.60 dc	0.13 b	0.45 a
Sweeten	Seed	Rye's Greenhouse	5-Aug	23-Sep	2.99 bc	4.02 b	0.96 bcd	5.70 d	0.12 b	0.18 c	16-Aug	21-Sep	4.39 a	4.44 c	1.29 bcd	4.32 cd	0.13 b	0.11 de	13-Aug	2-Oct	3.81 ab	4.37 ab	0.98 a	15.55 abc	0.09 b	0.53 a
First Light 58	Clone	Rye's Greenhouse	5-Aug	16-Sep	2.36 d	2.69 c	0.44 d	6.01 d	0.09 b	0.21 bc	10-Aug	14-Sep	3.11 c	3.05 d	0.73 cd	5.99 bc	0.10 b	0.17 bcd	13-Aug	16-Sep	2.4 d	3.13 c	0.67 abc	13.27 bcd	0.18 b	0.51 a
TJ's	Clone	Rye's Greenhouse	10-Jul	9-Sep	3.11 ab	3.60 bc	1.18 b	6.42 d	0.08 b	0.22 bc	13-Jul	7-Sep	4.45 a	4.61 c	1.55 bc	7.00 abc	0.07 b	0.16 cd	5-Aug	9-Sep	3.34 bc	3.38 bc	0.97 a	13.75 bcd	0.06 b	0.46 a
Matterhorn	Clone	High Grade Hemp	10-Jul	2-Sep	3.26 ab	4.00 b	0.98 bc	0.63 f	3.87	0.00 d	13-Jul	7-Sep	4.46 a	4.52 c	1.54 bc	0.78 d	5.61 a	0.00 e	10-Jul	7-Sep	2.59 cd	2.85 c	0.81 ab	0.93 e	0.86 a	N/A
Berry Blossom	Clone	High Grade Hemp	29-Jul	16-Sep	2.56 cd	3.76 b	0.65 cd	7.01 dc	0.08 b	0.26 b	10-Aug	14-Sep	2.80 c	2.65 d	0.49 d	7.67 abc	0.10 b	0.24 abc	13-Aug	16-Sep	2.16 d	2.96 c	0.41 c	17.14 ab	0.13 b	0.57 a

^aMeans within the same column that share a common letter are not significantly different ($\alpha = 0.05$)

^bTotal CBD calculated as $CBD + 0.878 * CBDA$

^cTotal THC sampled at harvest, and calculated as $\Delta^9\text{THC} + 0.878 * \text{THCA}$

^dFlowering defined as the date at which vegetative growth stopped and young flower buds observed

All locations were planted early June.