

Von, a new thornless florican-fruiting blackberry.

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'Von' is a new thornless florican-fruiting blackberry. Average total and marketable yield of 'Von' over a three year period in NC was 12,017g/plant and 10,704 g/plant (21,434 lbs/acre) respectively (Table 1a-b). Average berry weight was 6.6 g (Table 1c). NC 430 produces fruit in the late season (Table 2). In post harvest evaluations, 'Von' did as good or better than other genotypes tested (Table 3). 'Von' is distinct for its sweet flavor, small seeds, and low acidity. 'Von' was selected by Dr. James Ballington tested as NC 430 in trials throughout North Carolina.

Tables 1 a-c. Total yield, marketable yield and berry weight florican-fruiting blackberry genotypes.

Table 1a. Total yield (g/plant).

	2008	2009	2010	Mean
Genotype	2008	2009	2010	Mean
Apache	5460b	9321b	5690cd	6824b
Arapaho	3539c	4200c	3901d	3880c
Natchez	3735c	6003bc	7535bc	5758bc
Navaho	9882a	12813a	10143bc	10946a
Von	4962bc	13488a	17602a	12017a
Ouachita	5721b	6259bc	4008d	5329bc

Table 1b. Marketable yield (g/plant).

Genotype	2008	2009	2010	Mean
Apache	3571bcd	7162b	3519cd	4751b
Arapaho	2330d	3342c	3014d	2895b
Natchez	3119cd	5202bc	5926bc	4749b
Navaho	8107a	11206a	8369b	9227a
Von	4264bc	12215a	15633a	10704a
Ouachita	4589b	5255bc	2838d	4227b

Table 1c. Average berry weight (g).

Genotype	2008	2009	2010	Mean
Apache	10.1a	8.8a	9a	9.4a
Arapaho	5.5cd	5.5d	6bc	5.7c
Natchez	9.6a	8.2b	9a	8.9a
Navaho	5.0d	5.4d	5c	5.2d
Von	6.5bc	6.5c	7b	6.6b
Ouachita	6.8b	6.2c	8b	7.1b

Table 2. Mean Harvest Date at 5, 50 and 95 percent total yield 2008-2010 (%).

	5%	50%	95%
Genotype	Outside	Outside	Outside
Apache	26-Jun d	12-Jul cd	3-Aug cd
Arapaho	6-Jun a	15-Jun a	3-Jul a
Natchez	9-Jun ab	24-Jun ab	13-Jul ab
Navaho	24-Jun cd	16-Jul d	9-Aug d
Von	22-Jun cd	7-Jul cd	2-Aug cd
Ouachita	16-Jun bc	1-Jul bc	23-Jul bc



Table 3. Ratings of blackberries harvested in 2010 and held 7 days at 4 C, 90% RH in pint clamshells. Column ratings are %.

Cultivar	Moldy	Leaky	Soft (4,5)	Red drupe	Overall	Market
Apache	5.7	37.9	23.6	7.9	32.8	77.6
Tupy	4.7	24.8	11.4	10.5	59	86.4
Navaho	2	13.8	15.4	5.7	68.8	89.6
Von	3.1	12.8	12.4	12.1	71.7	90.6
Ouachita	4.1	15	7.4	7.7	73.4	91.2
Natchez	0.8	7.3	4.4	17.2	87.5	95.8
Arapaho	0.5	10	0	4.1	89.5	96.5

Overall: 100-(sum(moldy+leaky+soft))

Marketable: 100-(sum(moldy+leaky+soft)/3)

Table 4. Composition of blackberries before and after and after storage at 4 C for 7 days.

Cultivar	Storage day	SSC (%)	pH
Apache	0	10.5	3.45
Apache	7	10	3.47
Arapaho	0	9.7	3.1
Arapaho	7	9.8	3.4
Natchez	0	9.1	3.12
Natchez	7	8.6	3.28
Navaho	0	10.2	3.15
Navaho	7	10.1	3.3
Von	0	9.4	3.28
Von	7	9.4	3.57
Ouachita	0	10.1	3.2
Ouachita	7	9.9	3.4