

**Tree growth habit and tree characteristics** of cider apple varieties observed at WSU Mount Vernon NWREC, 2002-2015.

GROWTH HABIT & CHARACTERISTICS							
Cultivar	Bearing Habit	Blind wood <sup>1</sup>	Growth Habit	Grower Friendly <sup>2</sup>	Alternate Bearing	Prod. <sup>3</sup>	Full Bloom Date <sup>4</sup> Comments
Amere de Berthcourt	Semi Spur	1.5	Spreading	Y	Semi	2.45	9 May
American Forestier	Semi Spur	1	Semi Spreading	Y	Y	2.75	23 May
Blanc Mollet	Semi Spur	1.5	Semi Upright	Y	Y	2.88	18 May
Bouteville	Standard	1.5	Semi Spreading	Semi	Semi	3.50	12 May
Bramley's Seedling	Standard	2.5	Spreading	Y	Semi	2.58	9 May Very large fruit
Breakwell Seedling	Semi Spur	1	Spreading	Y	Semi	3.20	23 May
Brown's Apple	Semi Spur	2	Semi Spreading	Y	Y	2.63	13 May
Brown Snout	Spur	1	Semi Spreading	Y	Semi	4.00	23 May Small fruit, consistent
Brown Thorn	Standard	2	Semi Spreading	Semi	Y	2.38	25 May
Bulmer's Norman	Semi Spur	1	Spreading	Y	Semi	2.58	10 May
Campfield	Semi Spur	2	Upright	Semi	Semi	1.78	9 May
Cap of Liberty	Spur	1	Semi Upright	Y	Y	3.08	9 May
Cimetiere	Semi Spur	1	Spreading	Y	Y	2.88	30 May
Court Pendu Plat	Semi Spur	1.5	Semi Upright	Semi	Y	-	22 May Weak growth
Court Pendu Rose	Semi Spur	1.5	Spreading	Y	Y	2.63	23 May Weak growth
Crow Egg	Semi Spur	2	Spreading	Y	Y	-	14 May
Dabinett	Semi Spur	1.5	Spreading	Y	Semi	3.45	19 May Consistent nice fruit
Finkenwerder Herbstprinz	Tip Bearer	2.5	Semi Spreading	Semi	Semi	2.73	10 May German culinary use
Frequin Rouge	Semi Spur	1.5	Spreading	Y	Semi	2.73	10 May
Golden Russet	Tip Bearer	2.5	Spreading	N	N	3.65	2 May
Granniwinkle	Standard	2	Semi Upright	Y	N	3.10	2 May
Grindstone	Tip Bearer	4	Spreading	N	Y	3.13	4 May

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<b>Cultivar</b>	<b>Bearing Habit</b>	<b>Blind wood<sup>1</sup></b>	<b>Growth Habit</b>	<b>Grower Friendly<sup>2</sup></b>	<b>Alternate Bearing</b>	<b>Prod.<sup>3</sup></b>	<b>Full Bloom Date<sup>4</sup> Comments</b>
Harrison	Tip Bearer	2	Upright	Y	Semi	1.95	10 May
Harry Masters' Jersey	Semi Spur	1	Spreading	Y	Semi	3.13	18 May
Hewes' Virginia Crab	Standard	1	Upright	Y	N	-	2 May V. small edible fruit
Jouveaux	Semi Spur	1.5	Semi Upright	Y	Y	3.00	3 May
Kermerrien	Semi Spur	1	Spreading	Y	Y	2.68	16 May
Kingston Black	Standard	2	Spreading	Y	Y	2.58	16 May
Lambrook Pippin	Standard	3.5	Semi Spreading	N	N	2.63	15 May Vigor high
Major	Standard	1.5	Semi Upright	Y	Y	3.13	18 May
Medaille D'Or	Semi Spur	1	Semi Upright	N	Y	2.53	1 June
Mettais	Standard	2.5	Semi Upright	Semi	Semi	2.38	13 May
Michelin	Semi Spur	2	Semi Upright	Y	Y	3.13	14 May
Muscadet de Dieppe	Tip Bearer	2.5	Spreading	N	Semi	3.00	12 May Good quality
Muscat de Bernay	Semi Spur	2	Semi Upright	Y	N	2.40	13 May
Peau de Vache	Semi Spur	1	Spreading	Y	Semi	3.75	16 May
Red Jersey	Standard	1.5	Spreading	Semi	Y	-	-
Redstreak, Herefordshire	Tip Bearer	2.5	Spreading	Y	Semi	3.25	10 May
Reine des Pommes	Standard	3	Upright	Semi	Semi	2.30	7 May
Roxbury Russet	Tip Bearer	3.5	Semi Upright	N	N	3.00	2 May Consistent mod. yield
Royal Jersey	Semi Spur	1	Semi Upright	Y	Y	2.50	23 May
Smith's Cider	Semi Spur	2	Semi Upright	Y	Semi	2.75	6 May
Sweet Alford	Semi Spur	1	Spreading	Y	Semi	3.63	9 May
Sweet Coppin	Standard	2	Spreading	Semi	Y	2.50	21 May Vigorous
Taliaferro (Colaw)	Tip Bearer	4	Spreading	N	Semi	2.38	13 May Much blind wood
Taylor's	Semi Spur	2.5	Spreading	Y	Semi	3.25	12 May
Tom Putt	Semi Spur	2	Spreading	Y	N	4.33	7 May Reliable but drops
Track Zero	Semi Spur	1	Spreading	Y	Semi	3.50	6 May Flowers heavily on 1 year wood

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Tramlett's, Geneva	Standard	2	Semi Spreading	Y	Semi	2.55	10 May Not the true (English) 'Tramlett's Bitter'
Vilberie	Semi Spur	2	Spreading	Y	Semi	2.48	24 May
Whidbey	Semi Spur	2.5	Spreading	Y	Semi	3.63	12 May Large fruit
Yarlington Mill	Standard	2	Spreading	Y	N	3.83	16 May
Zabergau Reinette	Semi Spur	2	Semi Spreading	Y	Y	3.50	7 May Large fruit

<sup>1</sup> **Blind wood:** **1** – None to few areas (less than 4 inches); **2** – Few bare areas (most between 4-6 inches with no bud break); **3** – Several bare areas between 4-6 inches with no bud break; **4** – Several bare areas less than 1 foot but most longer than 8 inches with no bud break; **5** – Several areas on numerous branches with 1 foot or longer having no bud break.

<sup>2</sup> **Grower Friendly:** A tree that is productive and requires less in-field manipulation of the canopy (less labor)- i.e. tree spreading to semi-spreading equals less training involved; tip bearers require more management for canopy manipulation; willowy trees may require tying and more pruning labor; spur types are more grower friendly and require less pruning, usually have stiffer wood and hold their crop load better, but they can also have a tendency to alternate bearing.

<sup>3</sup> **Productivity Rating:** **5** - high production, all areas of tree bearing fruit; **4** - moderate production, most areas of tree bearing fruit; **3** - acceptable production, may be uneven, clusters of fruit vs. sparse areas; **2** - low production, unacceptable commercial; **1** - very few fruit, samples only; **0** - no fruit (field observations; blank space indicates insufficient observations to determine).

<sup>4</sup> **Mean full bloom date** as recorded at WSU Mount Vernon NWREC.