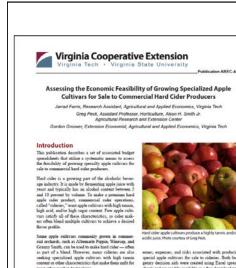


What is hard cider?

- Hard cider: fermented apple juice (3-10% ABV)
 - 2010 VA law passed to move from 7 to 10% ABV
 - May or may not be carbonated
 - More like wine than beer
- Apple wine: made by adding sugar prior to fermentation (>10% ABV)
- Apple jack: made by freeze concentrating already fermented cider (not legal for sale)
- Apple brandy: distilled apple cider
- Hobbyists can make 50 gal/year for personal consumption, but illegal to sell without license

Classification	Percent tannin (w/v)	Percent malic acid (w/v)
Bittersweets	> 0.2	< 0.45
Bittersharps	> 0.2	> 0.45
Sharps	< 0.2	> 0.45
Sweets	< 0.2	< 0.45
English	French	American (tend to be dual purpose)
Brown Snout (Bittersweet)	Bedan (Bittersweet or Bittersharp)	Esopus Spitzenberg (Sharp) <fireblight></fireblight>
Chisel Jersey (Bittersweet)	Binet Rouge	GoldRush (Sharp)
Dabinett (Bittersweet)	Frequin Rouge (Bittersweet)	Harrison (Sharp) <poor fireblight="" yields=""></poor>
Kingston Black (Bittersharp) <pre><pre>cpoor yields></pre></pre>	Medaille D'Or (Bittersweet)	Hewe's Virginia Crab (Bittersharp?) <fireblight></fireblight>
Porter's Perfection (Bittersharp)	Michelin (Bittersweet)	Newton (Albemarle) Pippin (Sharp) <hard thin="" to=""></hard>
Tremlett's Bitter (Bittersweet)	St. Aubin	Stayman (Sharp)
Yarlington Mill	St. Martin	Winesap



The control of the co

(Bittersweet)

PARTIAL BUDGET

(Sharp)

The partial budget analysis suggests that growers would need to receive a median return of US\$0.63/kg (\$12/bu) at a yield of 28,245 kg/ha (600 bu/acre) to show a net change in profits when growing multipurpose apples instead of mainstream cultivars.

ENTERPRISE BUDGET

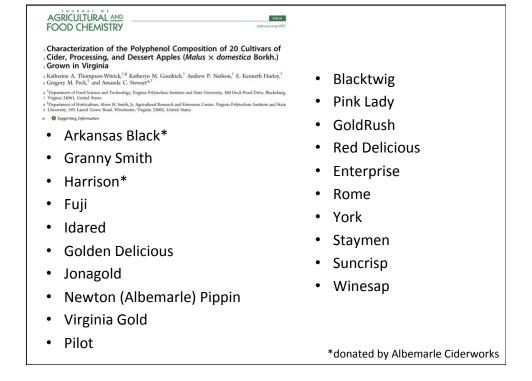
Using a US\$0.79/kg (\$15/bu) selling price and mature yields of 36,485 kg/ha (775 bu/acre), our enterprise budget estimated the first year establishment cost at US\$35,635/ha (\$14,427/acre)

Annual variable costs at maturity were US \$8,080/ha (\$3,271/acre), and total variable costs over 25 years were US\$215,930/ha (\$87,421)/acre).

The Net Present Value (before taxes) was positive at year 4.

Feasibility Study For A Small Farm Cidery in Nelson County, VA Prepared by: Matson Consulting PO Box 661 Aleas SC 28902 Phone: 801-233-7134 Fax: 803-233-7938 www.Matson.consult.com In Coordination with: VAFAIRS PO Box 2752 Rehmond VA 23261 Phone: 804-290-1160 www.vafairr.org October, 2012 This document contains privileged and confidential information intended only for the use of Nelson County You see heavely notified that any say, disconniation, distribution or reproduction of this document, either in senting or in part with the general senting the missing of the premission of Nelson County (VAFAIRS) October, 2012

- Matson Consulting
- 154 pages
- Market analyses
- Feasibility study
- Sensitivity analyses



New National Cider Association & Virginia Cider Association Welcome to the United States Association of Cider Makers. The USACM is an organization of cider and perry Upcoming events producers in the United States. It gathers and shares information about cider production, cider regulations, and cider apple growing, to help members improve their operations, raise awareness and advance cider in the market. The organization was founded in February, 2013 at "CiderCon," the third annual gathering of Cider Makers from across the US. Board members are: Michael Beck from Uncle John's Cider Mill (President), James Kohn from Wandering Aengus Ciderworks, Brad Page from Colorado Cider Company (Vice President), Dan Rowell from Vermont Cider Company (Treasurer), Charlotte Shelton from Albemarle Cider Works (Secretary), Robert Vail from Angry Orchard, and Stephen Wood from Farnum Hill Ciders. National Conference: ciderconference.com



