

Grape Cultivars

Wine		Table
Maréchal Foch (5)	Seyval Blanc (4)	Marquis (4)
Frontenac (6)	La Crosse (5)	Vanessa (4)
Cynthiana (4)	Vignole (4)	Reliance (4)
St. Croix (6)	Traminette (4)	Mars (4)
Chambourcin (3)	Edelweiss (5)	Jupiter * (4)

* Planted in 2003

Hardiness Rating: 3 = Cold tender (-5 F); 4 = Moderately hardy (-10 F);
5 = hardy (-15 F); 6 = very hardy (-20 F)

These cultivars were also included in the 2003 Wine Grape Cultivar Trial plantings at the Northeast and Southeast R&D Farms.

Management Systems

Systems:	Weed Control	Insect & Disease Control	Fertilizer
Conventional	Herbicides	Calendar spray schedule	Inorganic sources
IPM / Best Management	Herbicides	Monitoring to determine need	Inorganic sources
Organic Approved	Mechanical & Mulch	Organic approved pesticides	Organic sources (corn gluten meal)

ISU Horticulture Farm

September 2002



The Horticulture Farm received timely rainfall, and most of the vines reached the top wire.

ISU Armstrong R&D Farm

September, 2002



The Armstrong Farm suffered from drought, and none of the vines reached the top wire.

Spring 2003

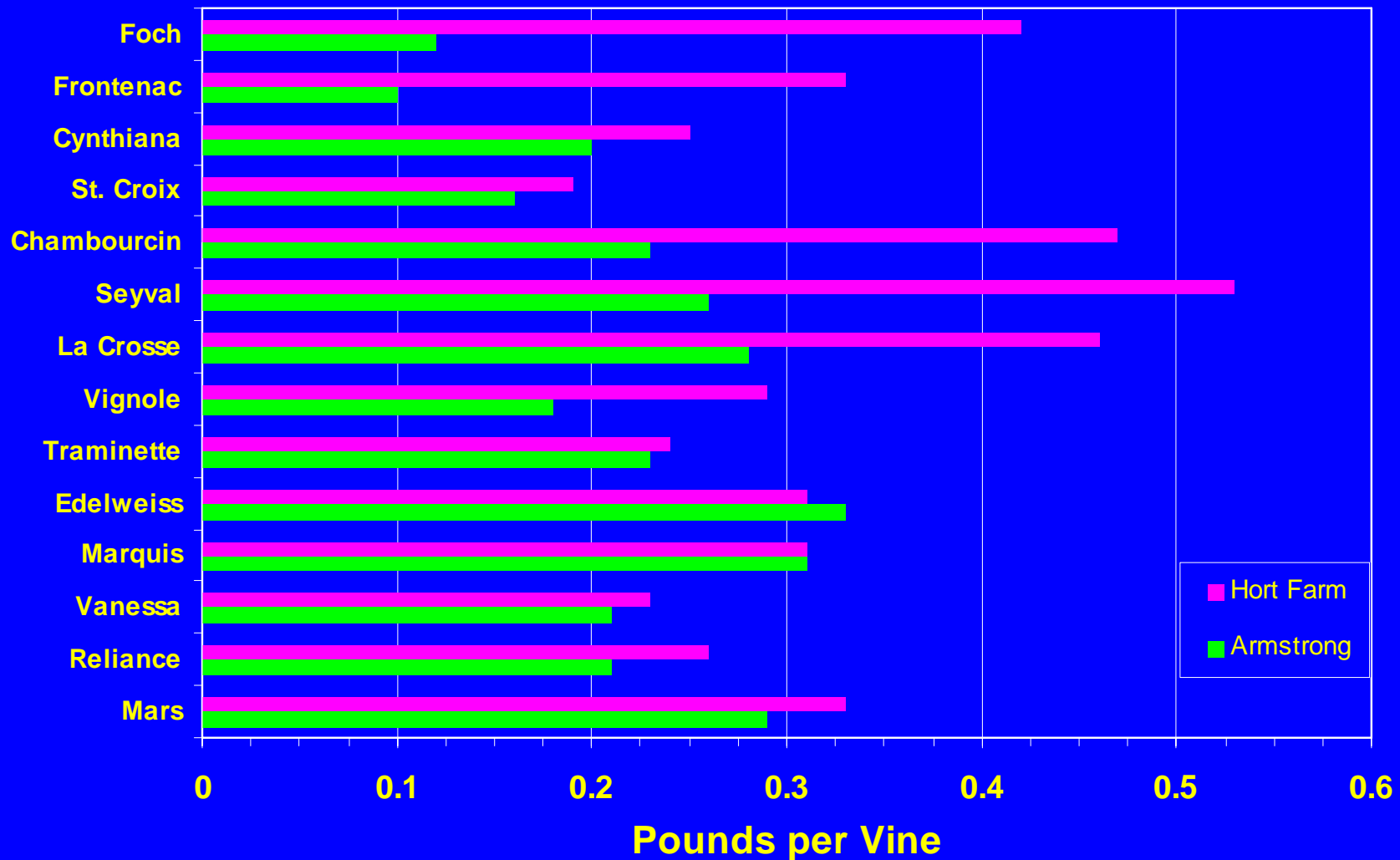
The vines were pruned to a double trunk and the prunings were weighed.

Pruning consisted of removing lateral canes and cutting back to live tissue that was at least $\frac{1}{4}$ inch in diameter.

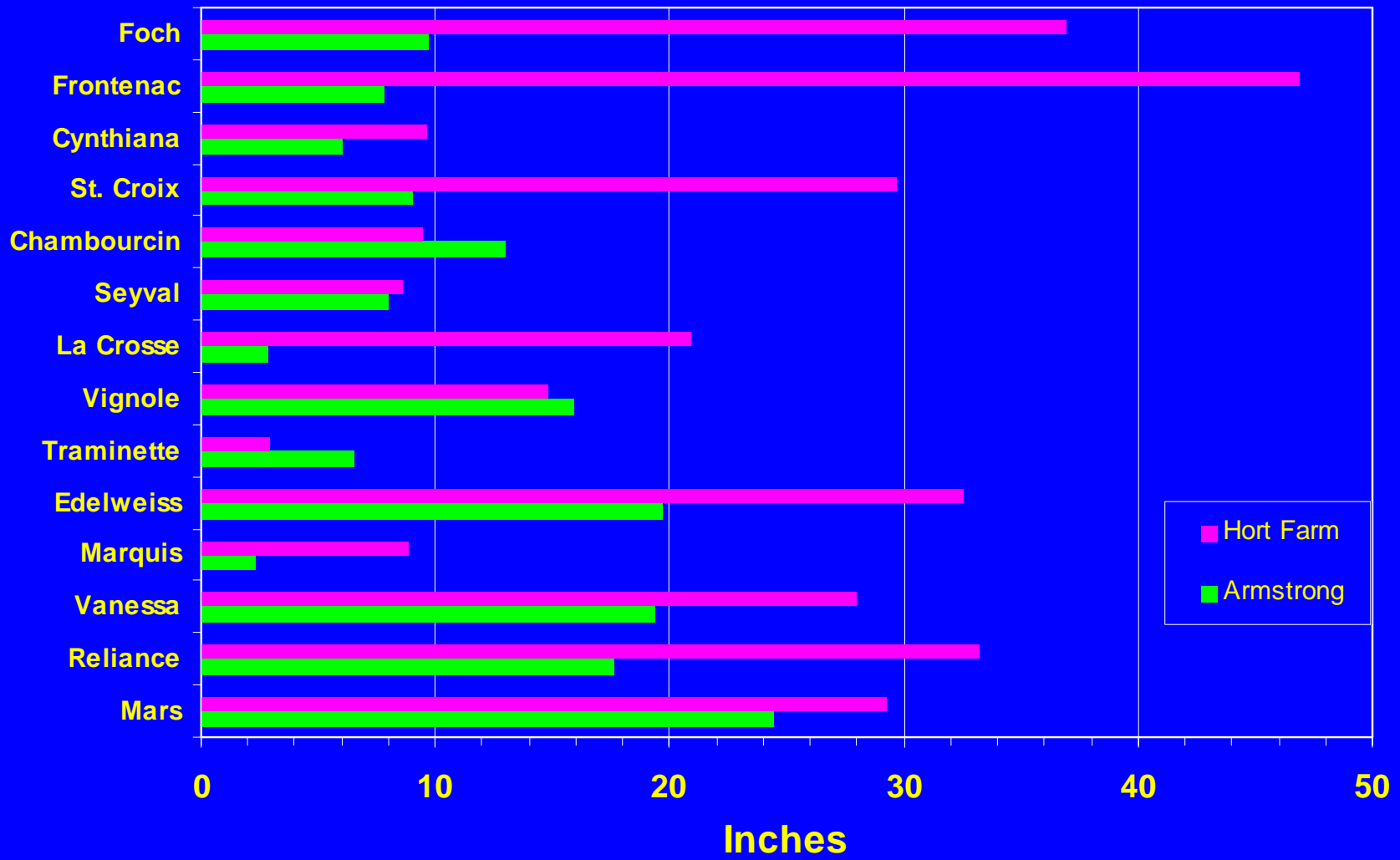
A considerable amount of cane die-back was found during pruning. At bud break, the height above the ground of the highest emerging bud was recorded.



2003 Pruning Weights



Height of Bud Emergence



Prior to bud swell, all management systems received an application of liquid lime sulfur.



Nitrogen fertilizer was applied at the rate of 45 lb of actual N / A as Corn Gluten Meal (10% N) for the organic approved treatment, and Urea (46% N) for the conventional and best management treatments.

