

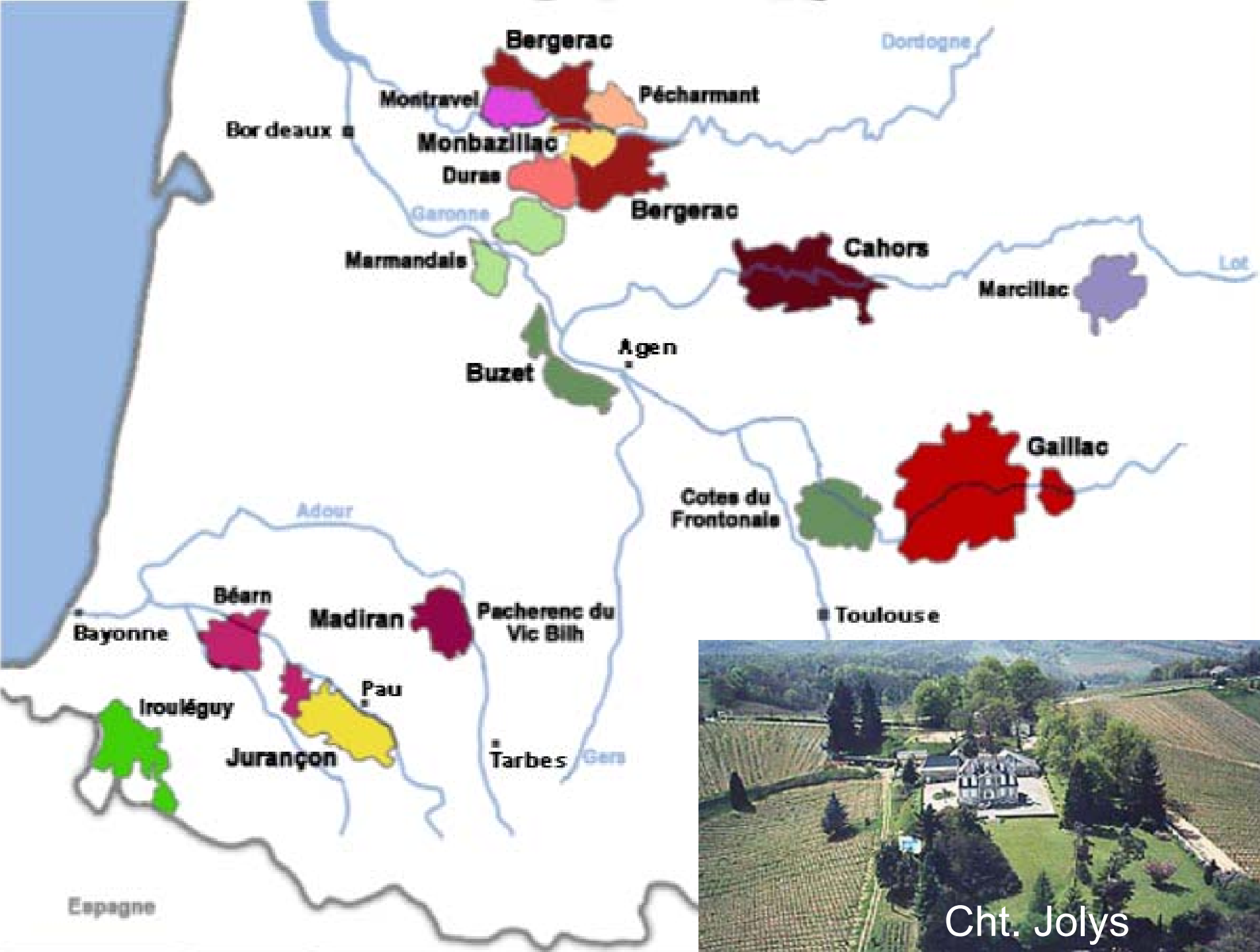
Petit Manseng

Tony Wolf

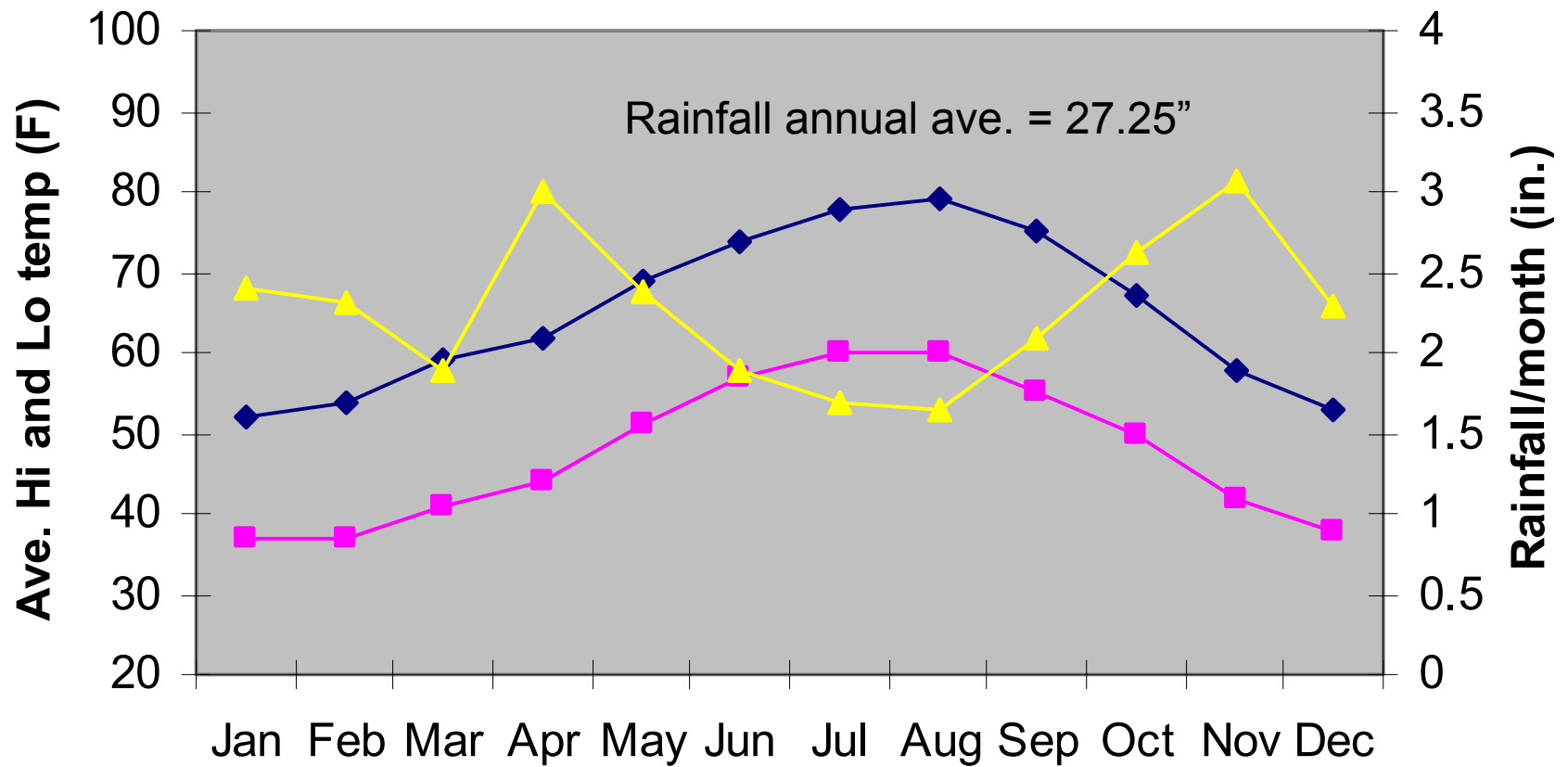
Virginia Tech

Origins in Virginia

- Petit Manseng and big brother, Gros Manseng, historically confined to Jurançon region of southwest France (1500 acres in seventies)
- Wolf obtained budwood from NYS Agricultural Experiment Station in Geneva, NY in 1987; evaluated at Winchester from 1988 – 1998 and at Blackstone VA from 2000 to present.
- Budwood distributed to Alan Kinne, Horton Cellars, and others since



Pau, France averages







Petit Manseng in Virginia

◆ Strengths:

- ◆ Excellent viticultural adaptation to mid-Atlantic
- ◆ Excellent fruit quality
- ◆ Good resistance to bunch rot
- ◆ Fair cold hardiness

◆ Weaknesses:

- ◆ Limited market experience
- ◆ Limited wine style options

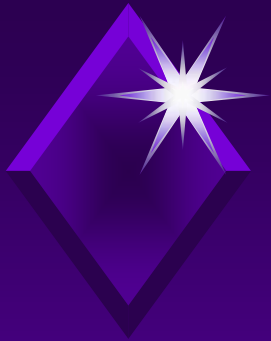




Phenology (Winchester VA)

- Bud-break averaged 3 days later than Chardonnay (ranged from 0 to 6 days later - around 23 April)
- Harvest averaged 22 October
- Blackstone vineyard about 2 weeks earlier with phenological development

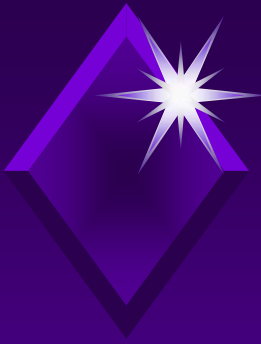
	Bud-break to bloom (days)	Bloom to harvest (days)	Bud-break to harvest (days)
Chardonnay #4	51	112	163
Cab. Sauvignon #8	49	124	173
Petit Manseng	49	133	182



Petit Manseng

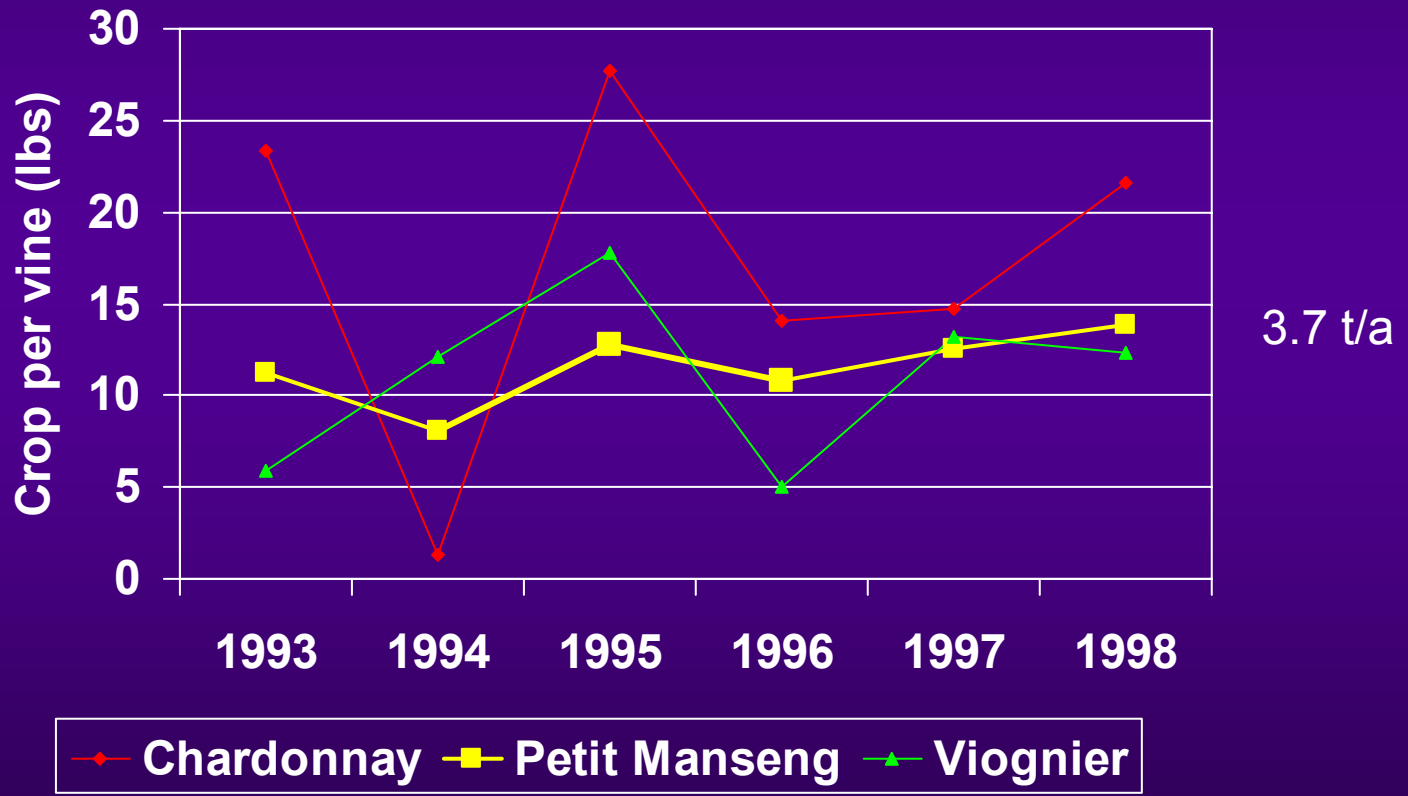
Winchester, 1992 – 1998 averages

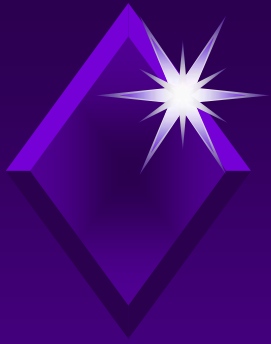
	Rot severity (%)	Berry wt. (g)	Cluster wt. (g)	Brix	pH	TA (g/L)
Chardonnay #4	7.5	1.87	186	21.6	3.50	6.7
Petit Manseng	0.7	1.13	100	27.6	3.41	8.0
Vidal	1.8	1.82	222	22.9	3.59	6.1
Viognier	0.5	1.64	104	23.2	3.73	5.6



Crop per vine: 1993 – 1998

Winchester





Petit Manseng

Blackstone

2005 - 2006

	Brix	pH	TA	Berry wt. (g)
P. Manseng '05	25.2	3.28	8.08	0.85
P. Manseng '06	23.2	3.47	6.93	1.29
Chardonnay 96 '05	21.8	3.81	4.85	1.22
Chardonnay 96 '06	20.5	3.74	5.58	1.65



Petit Manseng: cold hardiness

P Manseng suffered 54% primary bud kill when exposed to -11F on 19 January 1994. Chardonnay suffered 100% bud kill during same event.

