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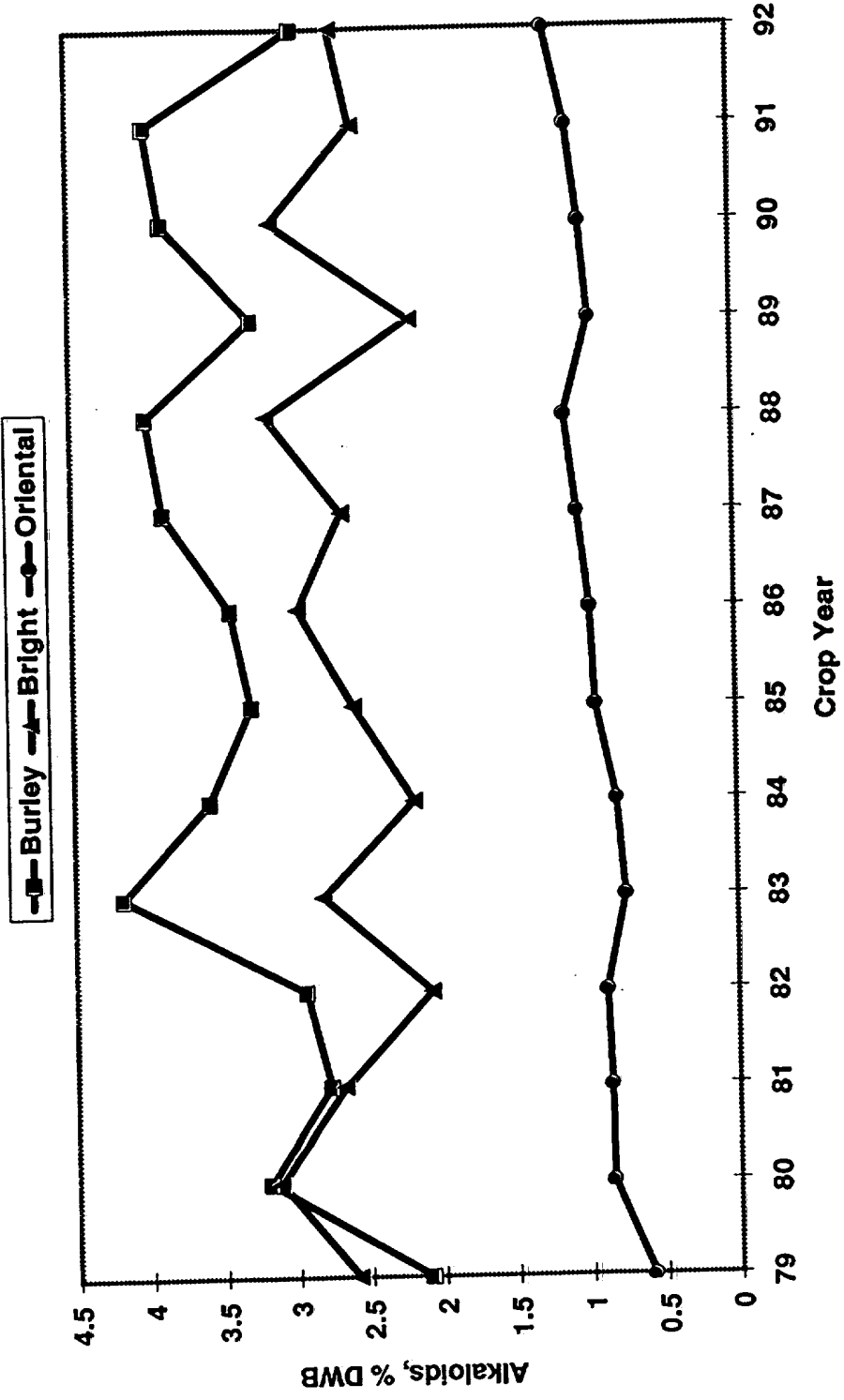
Tobacco Crop Alkaloid History

- The attached charts show variation in tobacco alkaloid concentration¹ for Burley, Bright (Flue Cured), and Oriental tobaccos purchased by Philip Morris between 1979 and 1992.
- The variation is due to:
 - Growing conditions such as rain fall and temperature.
 - Agronomic practices such as fertilizer usage, especially in the Mediterranean basin for Oriental tobacco.

¹ Dry weight basis.

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**TOBACCO CROP ALKALOID HISTORY
 AVERAGE VALUES FOR ALL BELTS, % DWB
 1979-1992**



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TOBACCO CROP ALKALOID HISTORY
AVERAGE VALUES FOR ALL BELTS, % DWB
1979 - 1992

Crop Year	Burley	Bright	Oriental
1979	2.09	2.59	0.59
1980	3.19	3.12	0.86
1981	2.77	2.67	0.86
1982	2.93	2.07	0.89
1983	4.18	2.81	0.76
1984	3.59	2.18	0.81
1985	3.29	2.58	0.95
1986	3.43	2.96	0.98
1987	3.88	2.65	1.06
1988	3.99	3.17	1.13
1989	3.26	2.17	0.96
1990	3.87	3.12	1.02
1991	3.98	2.56	1.10
1992	2.96	2.70	1.24

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