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Burley Tobacco Trials, Indiana, 1962 and Earlier

Purdue University Cooperative Extension Service

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Purdue University
 Cooperative Extension Service
 Lafayette, Indiana

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BURLEY TOBACCO TRIALS, INDIANA, 1962 and Earlier

Table 1. Yields, sale price, and value of burley tobacco varieties grown on Sciotoville silt loam, Clifton Conner farm, Rockport, Spencer County, 1962.

Measurement	Variety*			
	Burley 21	Kentucky 12	Ky Exp't'l 42	Ky Exp't'l 47
Lbs per acre	1879	2060	2030	1847
Sale price per 100 lbs*	\$48.19	\$50.32	\$47.56	\$44.19
Value per acre**	\$905	\$1037	\$965	\$816

The least significant difference in yields at the 5% level--not significant.

*Kentucky 10 was compared with Burley 21 and with Kentucky Experimentals 12, 42, and 47 in two of the four replications. The average yield of Kentucky 10 was 2608 lbs an acre. The average yield of the other four varieties was 1926 lbs an acre.

**Value per acre based upon actual sale price on January 5, 1963.

Table 2. Yields, sale price, and value of burley tobacco varieties grown on Bewlyville silt loam, Edward H. Curtis farm, Depauw, Harrison County, 1962.

Measurement	Variety					
	Burley 21	Ky 12	Ky Exp't'l 22	Ky Exp't'l 23	Ky Exp't'l 42	Ky Exp't'l 47
Lbs per acre	2378	2511	2597	2458	2459	2284
Sale price per 100 lbs*	\$67.96	\$68.24	\$67.88	\$67.62	\$68.61	\$68.65
Value per acre*	\$1616	\$1714	\$1763	\$1662	\$1687	\$1568

The least significant difference in yields at the 5% level was 154 lbs per acre.

The least significant difference in yields at the 1% level was 213 lbs per acre.

*Value per acre based upon actual sale price on January 3, 1963.

Table 3. Yields, sale price, and value of burley tobacco varieties grown on Avonburg silt loam, Kenneth W. Wehner farm, Madison, Jefferson County, 1962.

Measurement	Variety					
	Ky 9	Ky 10	Ky Exp't'l 12	Ky Exp't'l 23	Ky Exp't'l 42	High Leaf
Lbs per acre	2510	2640	2240	2165	2310	2525
Sale price per 100 lbs*	\$35.89	\$35.22	\$30.59	\$41.56	\$36.60	\$28.44
Value per acre*	\$901	\$930	\$685	\$900	\$845	\$718

The least significant difference in yields at the 5% level was 242 lbs an acre.

The least significant difference in yields at the 1% level was 334 lbs an acre.

*Value per acre based upon actual sale price on January 16, 1963.

Table 4. Yields, sale price, and value of burley tobacco varieties produced on Bewlyville silt loam, Edward H. Curtis farm, Depauw, Harrison County, 1961.

Measurement	Variety					
	High Leaf	Kentucky 9	Kentucky 10	Burley 21	Kentucky 35	Burley 37
Lbs per acre	2157	2073	2147	2095	1909	1959
Sale price per 100 lbs*	\$68.36	\$67.37	\$67.72	\$69.92	\$67.97	\$69.64
Value per acre*	\$1475	\$1397	\$1454	\$1465	\$1298	\$1364

The least significant difference in yields at the 5% level was 157 lbs per acre.

Table 5. Yields, sale price, and value of burley tobacco varieties produced on Avonburg silt loam, Kenneth Wehner farm, Madison, Jefferson County, 1961.

Measurement	Variety					
	High Leaf	Kentucky 9	Kentucky 10	Burley 21	Kentucky 35	Burley 37
Lbs per acre	2181	1943	1977	1903	1883	1527
Sale price per 100 lbs*	\$58.23	\$60.42	\$61.20	\$59.26	\$58.59	\$60.87
Value per acre*	\$1270	\$1174	\$1210	\$1128	\$1103	\$929

The least significant difference in yields at the 5% level was 242 lbs an acre.

The least significant difference in yields at the 1% level was 335 lbs an acre.

Table 6. Yields, sale price, and value of burley tobacco produced with different spacings within the row on Sciotoville silt loam, Clifton Conner farm, Spencer County, 1961. Rows were 37.8 inches apart. Variety was Kentucky 10.

Measurement	Plant Spacing Within the Row		
	14.3 inches	17.0 inches	20.4 inches
Lbs per acre	3496	3198	3160
Sale price per 100 lbs*	\$63.35	\$63.25	\$65.69
Value per acre*	\$2215	\$2023	\$2076

The least significant difference in yields at the 5% level was 205 lbs an acre.

Table 7. Yields, sale price and value of burley tobacco varieties grown on Sciotoville silt loam, Clifton Conner farm, Rockport, Spencer County, 1960.

Measurement	Variety				
	Kentucky 35	Kentucky 9	Burley 21	Ky Exp't'l 1 (Ky. 10)	High Leaf No. 21
Lbs per acre	2435	2648	2319	2707	2470
Sale price per 100 lbs*	\$64.06	\$65.77	\$64.69	\$65.35	\$64.64
Value per acre*	\$1560	\$1742	\$1500	\$1769	\$1597

The least significant difference in yields at 5% level was 241 lbs an acre, and the least significant difference in yields at the 1% level was 351 lbs an acre.

*Based upon actual sale price.

Table 8. Yields, sale price and value of burley tobacco varieties grown on Wheeling Loam, E.S. Furnish farm, Vevay, Switzerland County, 1960.

Measurement	Variety				
	Burley 21	Kentucky 35	Burley 11-A	Burley 37	Kentucky 9
Lbs per acre	2090	1646	1636	1540	1550
Sale price per 100 lbs*	\$60.33	\$58.71	\$62.93	\$61.39	\$58.76
Value per acre*	\$1261	\$966	\$1030	\$945	\$911

The least significant difference in yields at the 5% level was 195 lbs. an acre, and the least significant difference in yields at the 1% level was 273 lbs an acre.

Table 9. Yields, sale price, and value of burley tobacco varieties grown on Bewlyville silt loam, Carlton J. and Edward H. Curtis farm, Depauw, Harrison County, 1960.

Measurement	Variety					
	High Leaf No. 21	Burley 1	Kentucky 16	Burley 21	Virginia B-29	Kentucky 35
Lbs per acre	2218	2132	2178	2094	2172	2004
Sale price per 100 lbs*	\$65.86	\$67.64	\$67.25	\$66.77	\$64.41	\$65.93
Value per acre*	\$1461	\$1442	\$1465	\$1398	\$1399	\$1321

The least significant difference in yields at the 5% level was 157 lbs an acre.

Table 10. Yields, price per hundred pounds, and value per acre of burley tobacco varieties, Carlton Curtis farm, Harrison County, 1959.

Measurement	Uniform	Kentucky				
		Exp't 1	35	9	Burley 1	Burley 21
Lbs per acre	2113	2277**	2059	2291**	1989	2044
Price per 100 lbs*	\$67.57	\$65.81	\$62.25	\$62.81	\$67.86	\$57.07
Value per acre*	\$1428	\$1428	\$1282	\$1439	\$1350	\$1167

Table 11. Yields, price per hundred pounds and value per acre of burley tobacco varieties, Clifton Conner farm, Spencer County, 1958.

Measurement	Varieties				
	Greenville Exp't 1	Virginia B-29	Burley 2	Kentucky 61	Burley 21
Lbs per acre	1773	1764	1801	1722	1860
Price per 100 lbs*	\$68.04	\$66.63	\$68.18	\$68.11	\$68.07
Value per acre*	\$1206	\$1175	\$1228	\$1173	\$1266

*Based upon actual sale price.

**Yields of Kentucky Exp't 1 and Kentucky 9 were significantly greater than those of Uniform and Kentucky 35. Burley 1 and Burley 21 were included in only two of the four replications.

Table 12. Yield, price per hundred pounds and value per acre of burley tobacco varieties, Clifton Conner farm, Spencer County, 1957.

Measurement	Varieties				
	Kentucky 9	Kentucky 26	Burley 2	Kentucky 61	Burley 21
Lbs per acre	2250	2026	1996	2085	1950
Price per 100 lbs*	\$51.13	\$50.37	\$49.66	\$51.52	\$51.35
Value per acre*	\$1150	\$1020	\$991	\$1074	\$1001

Table 13. Yield, price per hundred pounds and value per acre of burley tobacco varieties, Carlton Curtis farm, Harrison County, 1957.

Measurement	Varieties					
	Kentucky 58	Kentucky 9	Kentucky 26	Exp't'l 8	Kentucky 61	Burley 21
Lbs per acre	1936	2219	1942	1949	1881	2073
Price per 100 lbs*	\$64.54	\$65.37	\$64.23	\$65.17	\$64.30	\$65.27
Value per acre*	\$1249	\$1451	\$1247	\$1270	\$1209	\$13.53

*Based upon sale price.

Relative Disease Resistance of Burley Tobacco Varieties (From Ky. Cir. 482-A)

Variety	Black		Fusarium		Black	Brown
	Root Rot	Mosaic	Wilt	Wildfire	Shank	Root Rot
Ky 9	Resistant	Resistant	**	**	**	?
Ky 10	Resistant	Resistant	Medium	**	**	?
Ky 12	Resistant	Medium	Resistant	Medium	**	?
Ky 16	Low	**	**	**	**	**
Ky 26	Resistant	**	**	**	**	**
Ky 35	Low	Resistant	Medium	Slight	**	**
Ky 41A	Low	**	**	**	**	Medium-High
Ky 57	Resistant	Resistant	**	**	**	Medium
Ky 58	Resistant	Resistant	**	**	**	**
Burley 11A	Low	**	Resistant	**	Medium	?
Burley 11B	Low	**	Resistant	**	Medium	?
Burley 21	Low	Resistant	**	Resistant	**	Medium-High
Burley 37	Low	**	**	Resistant	Medium	?

**Indicates little or no resistance.

? Unknown

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