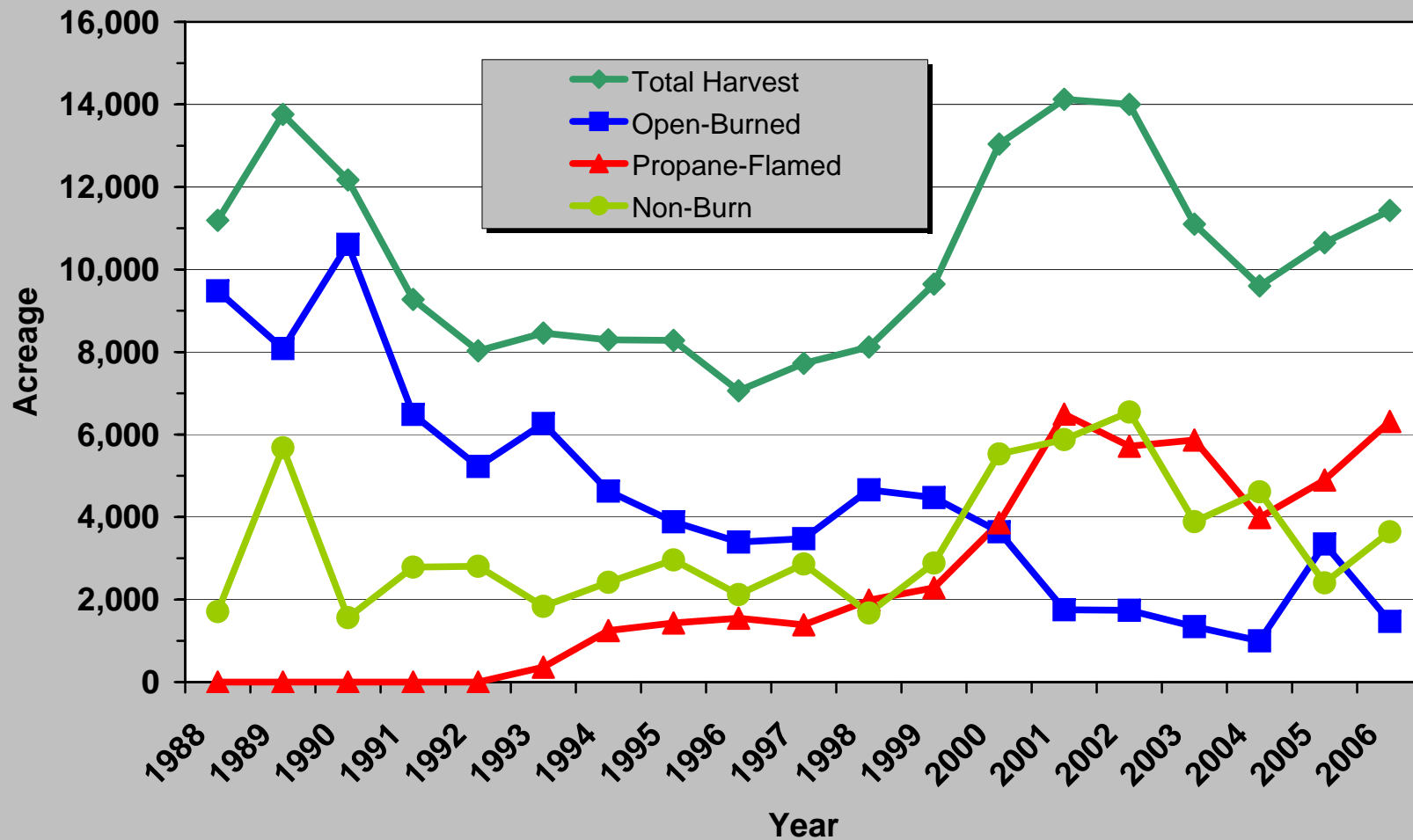
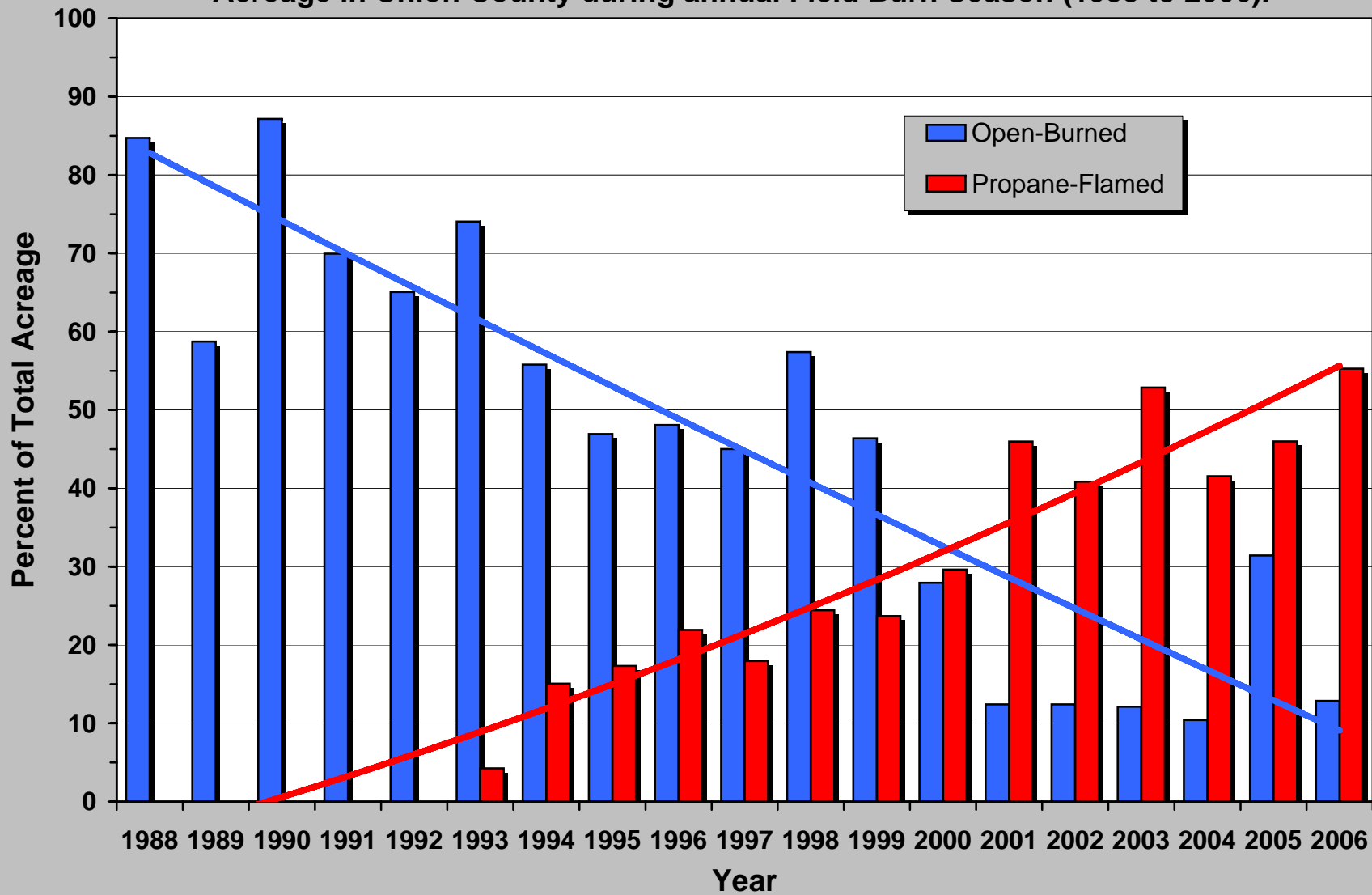


Union County Harvested Grass Seed and Burn Season Summary (1988 to 2006).									
	Total (1)				Total(5)	Percent (2)	Percent (3)	Percent (4)	Percent (5)
	Harvested	Grass Seed Acres			Non-Thermal	Grass	Grass	of Total Grass	of Total Grass
	Grass	Thermal Residue Mgmt ^a			Grass	Acres	Acres	Acreage	Acreage
Year	Acres ^b	Open	Propane	Total	Acres	Open Burn	Propane Flamed	Thermal	Non-Thermal
1988	11,190	9480.7	0	9480.7	1709	84.7	0.0	84.7	15.3
1989	13,760	8082	0	8082	5678	58.7	0.0	58.7	41.3
1990	12,170	10607	0	10607	1563	87.2	0.0	87.2	12.8
1991	9275	6488.5	0	6488.5	2787	70.0	0.0	70.0	30.0
1992	8030	5223.7	0	5223.7	2806	65.1	0.0	65.1	34.9
1993	8460	6264.2	360	6624.2	1836	74.0	4.3	78.3	21.7
1994	8295	4627.8	1249	5876.8	2418	55.8	15.1	70.8	29.2
1995	8280	3885.5	1434	5319.5	2961	46.9	17.3	64.2	35.8
1996	7061	3395	1548	4940	2121	48.1	21.9	70.0	30.0
1997	7725	3476.7	1387	4863.7	2861	45.0	18.0	63.0	37.0
1998	8120	4660.5	1984	6444.5	1676	57.4	24.4	79.4	20.6
1999	9644	4473.2	2284.7	6757.9	2886	46.4	23.7	70.1	29.9
2000	13,038	3642	3862	7509	5529	27.9	29.6	57.6	42.4
2001	14,124	1753	6493	8246	5878	12.4	46.0	58.4	41.6
2002	14,000	1738	5717	7455	6545	12.4	40.8	53.3	46.8
2003	11,100	1345	5867	7212	3888	12.1	52.9	65.0	35.0
2004	9600	1000	3987	4987	4613	10.4	41.5	51.9	48.1
2005	10,650	3347	4897	8244	2406	31.4	46.0	77.4	22.6
2006	11,430	1470	6318	7788	3,642	12.9	55.3	68.1	31.9
1. Total harvested acreage of grass crops grown for seed in Union County per year (predominately KBG, fine fescue spp.)									
2. Percent of total harvested grass acreage open field burned (full straw load).									
3. Percent of total harvested grass acreage where residue was removed by baling followed by propane-flaming of stubble.									
4. Percent of total harvested grass acreage, combined total for both open-field and propane-flamed methods.									
5. Non-Burn grass acres = harvested acres baled without propaning, acres removed from production, other residue mgmt.									
Smoke management in Union County dates back to the late 1960's, however, a county-wide program and operational guidelines were formally established in 1991 by the passage of Union County Ordinance 1991-6 (Amended in 1992 and 2001).									
Data Source: Imbler Smoke Management Center ^a and OSU Extension Service - Union County ^b									

Total Harvested Grass Seed, Open Burn (full residue load), Propane Flamed (bale + propane), and Non-Burned Acreage in Union County during annual Field Burn Season (1988 - 2006).



Percent of Total Harvested Grass Seed, Open-Burned and Propane-Flamed Acreage in Union County during annual Field Burn Season (1988 to 2006).



Union Co. Grass Seed Production (1942-2006)

