

# WICST

**Table X. Yields from WICST at Arlington Agric. Research Station, 1992-2005**

	Corn	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
-----bu/acre-----															
CS <sub>1</sub>	Continous corn	144.0	123.7	178.1	143.1	131.5	128.6	196.2	170.4	161.6	193.6	192.2	175.0	193.9	197.3
CS <sub>2</sub>	After sb (No Till)	150.1	129.8	190.2	167.7	140.0	157.4	212.6	162.9	162.9	207.7	159.0 <sup>1</sup>	176.5	189.0	210.2
CS <sub>3</sub>	Org. 3-crop	99.2	87.1	188.4	155.6	83.4	147.6	197.8	155.6	132.8	155.5	157.8	110.0	- <sup>2</sup>	102.2
CS <sub>4</sub>	After 3-yr alf	-	165.1	196.5	167.5	151.2	159.1	226.8	189.7	179.4	227.8	186.6	190.6	212.7	231.4
CS <sub>5</sub>	After 2-yr alf (org)	112.0	119.1	198.8	157.1	153.4	155.3	205.1	181.9	135.2	181.2	174.1	149.7	- <sup>2</sup>	128.3
LSD (P<0.05)		12.6	7.4	9.9	9.1	16.0	10.0	9.6	14.7	24.5	18.3	21.1	18.0	5.1	22.1
	Soybeans	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
-----bu/acre-----															
CS <sub>2</sub>	Drilled – No till	30.1	52.8	42.7 <sup>3</sup>	58.1	53.7	51.9	63.6	59.2	56.3	51.6	54.5	35.6	49.8	59.0
CS <sub>3</sub>	Org. 3-crop	38.0	53.3	44.4	63.3	60.2	48.8	51.9	31.0	40.9	35.4	51.0 <sup>1</sup>	32.5	33.6	24.6
LSD (P<0.05)		6.7	NS	NS	2.2	NS	NS	NS	1.5	4.5	15.6	1.3	1.6	10.5	5.9
	Wheat	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CS <sub>3</sub>	Grain (bu/a)	45.2	28.6	60.9	68.1	45.4	54.4	57.7	56.9	41.7	54.8	70.5	53.6	34.9	49.8
CS <sub>3</sub>	Straw (ton DM/a)	0.34	1.44	1.44	1.22	1.55	0.96	0.59	0.62	0.83	0.71	1.43	0.33	0.54	0.65
	Seeding yr. Forage	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
-----tons DM/acre-----															
CS <sub>4</sub>	Direct seeded	3.59	3.27	3.21	3.19	1.57	3.56	2.63	2.27	2.59	3.21	2.96	2.91	1.85	1.64
CS <sub>5</sub>	Oats/peas/alf	2.60	NA	3.37	3.21	2.68	4.66	5.67	4.69	4.15	4.53	3.51	2.30	4.35	3.02
LSD (P<0.05)		0.49	0.51	NS	NS	0.90	NS	0.83	0.34	0.24	1.27	NS	NS	1.06	0.19
	Estab'd Forage	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
-----tons DM/acre-----															
CS <sub>4</sub>	Hay I	3.46	3.93	4.56	4.02	4.16	5.08	4.30	4.49	5.44	5.89	5.18	4.83	5.09	4.63
CS <sub>5</sub>	Hay I	5.17	4.65	5.30	4.89	4.42	4.99	4.47	5.49	5.86	5.29	5.10	5.94	4.88	3.88
CS <sub>4</sub>	Hay II	3.99	3.25	3.68	2.24	3.77	4.50	4.13	4.06	5.31	5.53	4.50	3.37 <sup>4</sup>	5.15	3.11
CS <sub>6</sub>	Pasture <sup>5</sup>	2.81	-	-	-	-	-	-	-	-	-	-	-	5.48	2.61
LSD (P<0.05)		1.20	1.07	0.36	0.36	0.74	NS	NS	0.35	0.32	0.52	0.50	0.86	0.69	0.58

<sup>1</sup>3-plot average. Severe ground squirrel damage in plot 206 corn and intensive/expensive hand weeding in 411 beans led to their omission.

<sup>2</sup> Due to poor stand and late replanting date, corn did not make blacklayer before end of season and was harvested as snaplage (cob+husk+ear) yielding 1.07 and 1.36 ton DM/a for CS3 and CS5, respectively.

<sup>3</sup> Soybeans replanted 6/15 due to severe herbicide damage to soybeans and poor weed control.

<sup>4</sup> Only 3 cuts taken on CS4 Hay II (4 cuts taken on CS4 Hay I and CS5 Hay I).

<sup>5</sup> Hay was mechanically harvested as a comparison with CS4 and CS5.

Org = organically managed