CORN/SOYBEAN ROTATION LITERATURE SUMMARY

A compilation of all known published data comparing corn after corn to a corn/soybean rotation in the U.S.
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Primary Author, Year Published (see full citations below)	Location	Years	Corn Rotated with Soybeans bu/A	2nd Year of Corn After Soybeans bu/A	Continuous Corn bu/A	Continuous Corn vs. Rotation
Crookston 1991	Lamberton & Waseca, MN	1981-1989	138	122	127	-8%
Edwards 1988	Crossville, AL	1981-1984	130		161	24%
Griffith 1988	Butlerville, IN	1980-1986	133		142	7%
Howard 1998	Grand Jct., TN	1986-1992	141		127	-10%
Katsvairo 2000	Aurora, NY	1993-1997	142	121	119	-16%
Lauer 1997	Lamberton and Waseca, MN, Arlington, WI	1981-1996	141		125	-11%
Lee 2004	Lexington, KY	1984-1997	136		125	-8%
Lund 1993	Arlington, WI	1989-1991	175		162	-7%
Mallarino, 2002	Nashua, IA	1979-2004	158	141	139	-11%
Meese 1991	Arlington, WI	1987-1989	141	132	121	-14%
Pedersen 2002	Arlington, WI	1995-1997	161	146	142	-12%
Pedersen 2003	Arlington, WI	1998-2001	210	188	183	-13%
Peterson 1989	Mead, NE	1983-1986	121		108	-11%
Pikul 2005	Brookings, SD	1992-2003	112		96	-14%
Porter 1997	Lamberton, MN	1985-1995	130	116	115	-12%
Porter 1997	Waseca, MN	1986-1995	142	131	129	-9%
Porter 1997	Arlington, WI	1987-1995	151	139	130	-14%
Riedell 1998	Brookings, SD	1994-1995	129		116	-10%
Singer 1998	Aurora, NY	1993-1994	157		150	-4%
Singer 2003	Pittstown, NJ	2000-2001	161		158	-2%
Stanger 2008	Lancaster, WI	1990-2004	161		145	-10%
Univ. of IL, 2002	IL	17 Site years	170		144	-15%
Varvel 2003	Shelton, NE	1993-2003	184		179	-3%
Varvel 2003	Mead, NE	1983-2003	135		131	-3%
Vyn 2006	Wanatah, IN	1997-2006	194		182	-6%
Vyn 2006	West Lafayette, IN	1975-2006	180		172	-4%
Walters 2004	Mead, NE	1999-2004	237		229	-3%
Wilhelm 2004	Mead, NE	1986-2001	111		90	-19%

NOTES:

1. Lamberton, MN, Waseca, MN and Arlington, WI studies with common years and locations have common data, with the exception of Lund 1993, which is unique.
2. Mead, NE studies with common years have common data, with the exception of Walters 2004 and Wilhelm 2004, which are unique.
3. Brookings, SD studies with common years have common data.
4. Where studies included management factors, results are from conventional tillage and the highest level of input. Refer to individual studies for results by tillage, nitrogen rates or other management factors. Howard 1998 and Lee 2004 are no-till.
5. Varvel 2003 Shelton, NE is irrigated, all others are rainfed.
6. For continuous corn, years of corn prior to yield collection varied among studies.

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