

S2 Table. Representative crop rotation information and distribution of corn and soybean fields

Type	2001	2002	2003	2004	2005	2006	2007	2008	Proportion (%)		
									TCW	GW	
AGA1	Corn	Dbl WW/Soyb	Corn	Dbl WW/Soyb	Corn	Dbl WW/Soyb	Corn	Dbl WW/Soyb	14.5	12.8	
AGA2	Dbl WW/Soyb	Corn	Dbl WW/Soyb	Corn	Dbl WW/Soyb	Corn	Dbl WW/Soyb	Corn	21.9	11.1	
AGAB	Corn	Soyb	Corn	Dbl WW/Soyb	Corn	Soyb	Corn	Dbl WW/Soyb	7.7	11.6	
AGB1	Corn	Soyb	Corn	Soyb	Corn	Soyb	Corn	Soyb	11.3	17.5	
AGB2	Soyb	Corn	Soyb	Corn	Soyb	Corn	Soyb	Corn	9.8	10.8	
AGC1	Corn	Corn	Corn	Corn	Corn	Corn	Corn	Corn	17.1	10.8	
AGD1	Soyb	Corn	Soyb	Soyb	Corn	Soyb	Soyb	Corn	10.2	12.0	
AGD2	Soyb	Soyb	Corn	Soyb	Soyb	Corn	Soyb	Soyb	7.5	13.4	
TCW	Corn (%)	50.6	59.0	58.1	48.8	60.8	56.3	50.6	59.0	-	-
	Soyb (%)	49.4	41.0	41.9	51.2	39.2	43.7	49.4	41.0	-	-
GW	Corn (%)	52.7	44.7	66.1	32.7	64.7	46.1	52.7	44.7	-	-
	Soyb (%)	47.3	55.3	33.9	67.3	35.3	53.9	47.3	55.3	-	-

Note: The last two columns indicate the relative area (%) of each crop rotation applied to croplands in TCW and GW. The bottom four rows indicates the relative area (%) of corn and soybean fields resulted from different rotations applied concurrently in TCW and GW. Dbl WW/Soyb is regarded as soybean fields and described in the caption of Fig 2.