

Baseline scenario (no winter cover crop)

Crop	Planting	Fertilizer	Harvest
Corn (after corn)	30 April (no-till)	157 kg N ha <sup>-1</sup> of poultry manure on 20 April 45 kg N ha <sup>-1</sup> of sidedress 30 % UAN on 7 June	3 October
Corn (after soybean and double-crop soybean)	30 April (no-till)	124 kg N ha <sup>-1</sup> of poultry manure on 20 April 34 kg N ha <sup>-1</sup> of sidedress 30 % UAN on 7 June	3 October
Soybean	20 May (no-till)		15 October
Double-crop winter wheat (Dbl WW)	10 October	34 kg N ha <sup>-1</sup> of sidedress 30 % UAN on 8 October 45 kg N ha <sup>-1</sup> of sidedress 30 % UAN on 1 March 67 kg N ha <sup>-1</sup> of sidedress 30 % UAN on 5 April	27 June
Double-crop soybean (Dbl Soyb)	29 June		1 November

Note: UAN stands for urea-ammonium nitrate. The typical nitrogen content for poultry manure is assumed to be 2.8 % (Glancey et al., 2012).