

Table 3C.6 Reliance of Glyphosate Use on Soybeans: Total Michigan Acres Planted
(see notes at end of table)

Year	Total Acres Planted	Percent Acres Treated	Rate of Application (lbs/acre)	Number of Applications	Rate per Crop Year (lbs/acre)	Pounds Applied
2016	2,070,000	90.0	0.941	1.39	1.312	2,444,152
2015 *	2,030,000	90.0	0.941	1.39	1.312	2,396,922
2014	2,050,000	92.0	0.999	1.42	1.420	2,678,120
2013	1,930,000	94.0	1.058	1.45	1.528	2,772,098
2012 *	2,000,000	96.0	1.117	1.48	1.636	3,141,300
2011	1,950,000	96.2	1.071	1.47	1.555	2,916,024
2010	2,050,000	96.3	1.024	1.45	1.475	2,912,869
2009	2,000,000	96.5	0.978	1.44	1.394	2,690,420
2008	1,900,000	96.7	0.931	1.42	1.314	2,413,388
2007	1,800,000	96.8	0.884	1.41	1.233	2,149,112
2006 *	2,000,000	97.0	0.838	1.39	1.152	2,235,340
2005 *	2,000,000	95.5	0.840	1.35	1.126	2,150,660
2004	2,000,000	94.0	0.842	1.30	1.099	2,066,120
2003	2,000,000	92.5	0.843	1.26	1.073	1,985,050
2002 *	2,050,000	91.0	0.845	1.21	1.046	1,951,600
2001	2,150,000	83.5	0.808	1.21	1.013	1,818,588
2000 *	2,050,000	76.0	0.770	1.20	0.980	1,526,840
1999 *	1,950,000	68.0	0.780	1.30	1.080	1,432,080
1998 *	1,900,000	35.0	0.770	1.10	0.870	578,550
1997 *	1,870,000	33.0	0.800	1.10	0.860	530,706
1996	1,650,000	28.3	0.800	1.10	0.860	401,378
1995	1,500,000	23.6	0.800	1.10	0.860	304,066
1994	1,550,000	18.9	0.800	1.10	0.860	251,364
1993	1,450,000	14.1	0.800	1.10	0.860	176,363
1992	1,450,000	9.4	0.800	1.10	0.860	117,580
1991	1,400,000	4.7	0.800	1.10	0.860	56,757
1990 *	1,150,000	0.0	0.000	0.00	0.000	0

Notes:

1. Glyphosate is sold in more than one chemical form, and surveyed separately by the USDA's National Agricultural Statistics Service (NASS). Data on percent acres treated, number of acres treated, and pounds applied are the sum across all forms of the chemical. Rates of application and number of applications are averages across each form of the pesticide, weighted by shares of total acres treated.
2. For years not surveyed by NASS, values are interpolated between the nearest two years with reported values. Values between the last surveyed year and 2016 are extrapolated assuming no change in rate of application, number of applications, or percent acres treated. An asterisk denotes which years were surveyed by NASS.
3. Each year when NASS surveys a crop, the agency strives to include 85% to 90% of acres planted. National surveyed acres are lower than National total acres planted. The above data is indicative of pesticides applied to total acres planted.
4. In years where zero use was reported in a surveyed year, it is assumed that a straight-line, phase in/phase out period was implemented. Assuming that farmers are more likely to phase out a pesticide by applying it to less acres, rather than reducing the application rate, the percent acres treated are interpolated from the surveyed value to zero. Meanwhile, the rate of application, number of applications, and rate per crop year, remain the same as the previous/latter years.