

# Individual Seed Zone Aerial Detection Survey (ADS) Dissolved by Year

*Dissolved = Overlapping Polygons (of various years) were "dissolved" into one polygon so the acreages were not double counted.*

Seed Zone	Total Acres	2012		2012 - 2013 Dissolved		2012 - 2014 Dissolved		2012 - 2015 Dissolved		2012 - 2016 Dissolved			2012 - 2017 Dissolved			Changes between 2012-2016 & 2012-2017					
		GIS Acres	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	Map Mortality Class	ADSSum	Mortality %	Map Mortality Class	Seed Zone	Increase from 2016/2017	% Change between 2016/2017	2016 - New Mortality % of Total Seed Zone	2017 - New Mortality % of Total Seed Zone
163	1,326,038	48	0%	115	0%	925	0%	4,177	0%	4,694	0%	0-10%	4,694	0%	0-10%	163	0.52	0.01%	0%	0%	0%
164	1,026,691	3	0%	41	0%	1,288	0%	11,036	1%	11,777	1%	0-10%	11,824	1%	0-10%	164	46.76	0.40%	1%	1%	0%
165	1,631,171	695	0%	777	0%	2,748	0%	52,540	3%	54,138	3%	0-10%	54,401	3%	0-10%	165	262.99	0.48%	3%	3%	0%
525	2,149,746	38,019	2%	48,468	2%	65,870	3%	107,071	5%	340,906	16%	10-20%	455,511	21%	21-30%	525	114,605.07	25.16%	16%	21%	5%
526	1,423,130	7,858	1%	15,475	1%	46,194	3%	116,572	8%	392,604	28%	20-30%	479,554	34%	31-40%	526	86,949.78	18.13%	28%	34%	6%
531	2,124,373	19,993	1%	73,801	3%	203,596	10%	368,598	17%	713,373	34%	30-40%	826,298	39%	31-40%	531	112,925.17	13.67%	34%	39%	5%
532	1,090,610	9,826	1%	40,056	4%	68,100	6%	290,564	27%	553,441	51%	40-50%	595,087	55%	41-55%	532	41,645.45	7.00%	51%	55%	4%
533	1,349,106	23,231	2%	49,002	4%	83,341	6%	300,048	22%	467,149	35%	30-40%	523,499	39%	31-40%	533	56,349.97	10.76%	35%	39%	4%
534	1,285,728	13,449	1%	76,869	6%	162,630	13%	422,049	33%	540,761	42%	40-50%	564,081	44%	41-55%	534	23,320.28	4.13%	42%	44%	2%
540	982,657	3,227	0%	62,348	6%	120,121	12%	239,939	24%	324,319	33%	30-40%	327,456	33%	31-40%	540	3,137.00	0.96%	33%	33%	0%
550	876,981	11,392	1%	23,799	3%	50,471	6%	210,531	24%	302,303	34%	30-40%	345,212	39%	31-40%	550	42,908.75	12.43%	34%	39%	5%
560	924,701	2,979	0%	6,901	1%	13,956	2%	191,767	21%	210,797	23%	20-30%	214,398	23%	21-30%	560	3,600.52	1.68%	23%	23%	0%
570	618,713	67	0%	2,805	0%	4,768	1%	56,323	9%	67,199	11%	10-20%	67,622	11%	11-20%	570	422.87	0.63%	11%	11%	0%
772	698,544	9,720	1%	11,061	2%	17,240	2%	36,401	5%	64,114	9%	0-10%	113,052	16%	11-20%	772	48,938.26	43.29%	9%	16%	7%
781	397,221	4,429	1%	4,471	1%	13,981	4%	19,996	5%	30,802	8%	0-10%	58,044	15%	11-20%	781	27,241.79	46.93%	8%	15%	7%
782	386,703	6,211	2%	9,182	2%	20,558	5%	22,460	6%	35,417	9%	0-10%	56,633	15%	11-20%	782	21,215.62	37.46%	9%	15%	5%
783	339,905	1,449	0%	4,363	1%	9,796	3%	10,746	3%	14,986	4%	0-10%	23,414	7%	0-10%	783	8,427.77	35.99%	4%	7%	2%
784	381,415	475	0%	1,545	0%	4,303	1%	4,303	1%	5,237	1%	0-10%	5,464	1%	0-10%	784	227.41	4.16%	1%	1%	0%
785	407,628	55	0%	933	0%	8,903	2%	71,445	18%	76,949	19%	10-20%	80,119	20%	11-20%	785	3,169.83	3.96%	19%	20%	1%
962	5,554,070	11,197	0%	12,495	0%	19,019	0%	39,488	1%	42,608	1%	0-10%	42,776	1%	0-10%	962	167.52	0.39%	1%	1%	0%
963	4,997,845	0	0%	215	0%	225	0%	5,239	0%	5,247	0%	0-10%	5,247	0%	0-10%	963	0.00	0.00%	0%	0%	0%
982	9,163,935	0	0%	2	0%	2	0%	135	0%	135	0%	0-10%	135	0%	0-10%	982	0.00	0.00%	0%	0%	0%
992	1,710,232	1,705	0%	6,313	0%	37,100	2%	106,512	6%	121,712	7%	0-10%	133,689	8%	0-10%	992	11,976.57	8.96%	7%	8%	1%
<b>4,380,670</b>											<b>4,988,209</b>										

## 2012-16 and 2012-17 Takeaways

- 1 10 of the 23 Seed Zones (43%) that intersect the 10 High Priority Counties have experienced an increase of new mortality of 20,000 acres or more.
- 2 In some cases that represents an increase of more than 25% over the previous year of new mortality.
- 3 5-7% of the Seed Zone experienced new mortality.
- 4 The Seed Zones that changed on the map were: 525, 526, 772, 781, and 782

Individual Seed Zone - Aerial Detection Survey (ADS) by Year

NOTE: These polygons overlap each year.

Seed Zone	Total Acres	2012		2013		2014		2015		2016		2017	
		ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %	ADSSum	Mortality %
163	1,326,038	48	0%	68	0%	816	0%	3,280	0%	574	0%	1	0%
164	1,026,691	3	0%	38	0%	1,248	0%	9,855	1%	929	0%	47	0%
165	1,631,171	695	0%	82	0%	1,971	0%	49,821	3%	1,668	0%	315	0%
525	2,149,746	38,019	2%	11,058	1%	19,097	1%	43,139	2%	252,624	12%	147,107	7%
526	1,423,130	7,858	1%	7,841	1%	31,594	2%	77,733	5%	322,390	23%	178,484	13%
531	2,124,373	19,993	1%	56,816	3%	137,651	6%	215,736	10%	491,257	23%	290,072	14%
532	1,090,610	9,826	1%	31,091	3%	33,513	3%	248,414	23%	455,876	42%	180,128	17%
533	1,349,106	23,231	2%	27,354	2%	39,859	3%	244,121	18%	339,772	25%	200,179	15%
534	1,285,728	13,449	1%	65,230	5%	112,019	9%	346,313	27%	268,313	21%	142,851	11%
540	982,657	3,227	0%	59,517	6%	79,231	8%	151,263	15%	185,564	19%	46,374	5%
550	876,981	11,392	1%	13,569	2%	30,818	4%	182,744	21%	188,795	22%	123,397	14%
560	924,701	2,979	0%	4,164	0%	7,601	1%	186,869	20%	49,300	5%	12,349	1%
570	618,713	67	0%	2,739	0%	2,096	0%	53,116	9%	17,567	3%	681	0%
772	698,544	9,720	1%	1,465	0%	6,740	1%	21,664	3%	36,151	5%	69,007	10%
781	397,221	4,429	1%	41	0%	10,029	3%	6,598	2%	12,340	3%	32,183	8%
782	386,703	6,211	2%	3,503	1%	13,270	3%	3,150	1%	14,813	4%	33,374	9%
783	339,905	1,449	0%	3,195	1%	5,744	2%	1,058	0%	5,090	1%	10,848	3%
784	381,415	475	0%	1,074	0%	2,834	1%	0	0%	1,032	0%	311	0%
785	407,628	55	0%	879	0%	7,992	2%	67,456	17%	10,319	3%	4,743	1%
962	5,554,070	11,197	0%	1,329	0%	6,910	0%	20,562	0%	3,229	0%	168	0%
963	4,997,845	0	0%	215	0%	10	0%	5,030	0%	9	0%	0	0%
982	9,163,935	0	0%	2	0%	0	0%	133	0%	0	0%	0	0%
992	1,710,232	1,705	0%	4,658	0%	32,989	2%	83,700	5%	32,148	2%	23,160	1%
		166,028		295,927		584,033		2,021,757		2,689,759		1,495,777	

## Annual Compound Rate of Mortality

Seed Zone	GIS Acres	2012	2013	2014	2015	2016	2017	Mortality Rate 2012-2017
163	1,326,038	48	115	925	4,177	4,694	4,694	150%
164	1,026,691	3	41	1,288	11,036	11,777	11,824	432%
165	1,631,171	695	777	2,748	52,540	54,138	54,401	139%
525	2,149,746	38,019	48,468	65,870	107,071	340,906	455,511	64%
526	1,423,130	7,858	15,475	46,194	116,572	392,604	479,554	128%
531	2,124,373	19,993	73,801	203,596	368,598	713,373	826,298	111%
532	1,090,610	9,826	40,056	68,100	290,564	553,441	595,087	127%
533	1,349,106	23,231	49,002	83,341	300,048	467,149	523,499	86%
534	1,285,728	13,449	76,869	162,630	422,049	540,761	564,081	111%
540	982,657	3,227	62,348	120,121	239,939	324,319	327,456	152%
550	876,981	11,392	23,799	50,471	210,531	302,303	345,212	98%
560	924,701	2,979	6,901	13,956	191,767	210,797	214,398	135%
570	618,713	67	2,805	4,768	56,323	67,199	67,622	299%
772	698,544	9,720	11,061	17,240	36,401	64,114	113,052	63%
781	397,221	4,429	4,471	13,981	19,996	30,802	58,044	67%
782	386,703	6,211	9,182	20,558	22,460	35,417	56,633	56%
783	339,905	1,449	4,363	9,796	10,746	14,986	23,414	74%
784	381,415	475	1,545	4,303	4,303	5,237	5,464	63%
785	407,628	55	933	8,903	71,445	76,949	80,119	330%
962	5,554,070	11,197	12,495	19,019	39,488	42,608	42,776	31%
963	4,997,845	0	215	225	5,239	5,247	5,247	#DIV/0!
982	9,163,935	0	2	2	135	135	135	#DIV/0!
992	1,710,232	1,705	6,313	37,100	106,512	121,712	133,689	139%