

## How does 2021 stack up to recent production years relating to GDUs and crop progress?

The epidemic CLS year of 2016 had an average plant date of April 15. In both 2020 and 2021, this date was April 21. Early planting in 2016 provided quick GDU accumulation yet we are not far behind in 2021 (see table below). Unprotected early canopy development coupled with loss of Strobilurin fungicides led to devastating CLS in 2016. Crop year 2020 had early GDU accumulation but was still one of the better crops in SMBSC history thanks to improved management practices.

How did we arrive at this fortunate turn of events? Early fungicide program initiation is a major contributor. Observation of previous years suggests we should have begun our program between June 14<sup>th</sup> and 19<sup>th</sup> in 2016 and between June 18<sup>th</sup> and 24<sup>th</sup> in 2020. Using 1500 GDU's as a trigger point, this suggests treating 2021 similarly to 2020 based upon GDUs.

2016					2020					2021			
		GDU	Cumulative GDU from				GDU	Cumulative GDU from					Cumulativ
Month	Date	Base 34	Plant Date	·	onth	Date	Base 34	Plant Date	•			GDU	GDU from
June	1	25	1079.0		une	1	45	887.5	<u> </u>	Month	Date	Base 34	Plant Dat
June	2	27	1106.0		une	2	40.5	928	-	June	1	27	812.5
June	3	29	1134.5		une	3	34.5	962.5	-	June	2	38	850.5
June	4	27	1161.5		une	4	33	995.5	-	June	3	41.5	892
June	5	33	1194.5		une	5	33.5	1029	-	June	4	43.5	935.5
June	6	27	1221.5		une	6	28	1025	-	June	5	50	985.5
June	7	24	1245.5		une	7	40	1037	-	June	6	49	1034.5
June	8	28	1273.0		une	8	50.5	1147.5	-	June	7	45	1079.5
June	9	37	1310.0		une	9	41	1147.5		June	8	46.5	1126
June	10	43	1352.5			10				June	9	46.5	1172.5
June	11	48	1400.0		une		29	1217.5	_	June	10	47.5	1220
lune	11	35	1435.0		une	11	30.5	1248		June	11	40.5	1260.5
une	12	36	1435.0		une	12	27.5	1275.5		June	12	35.5	1296
-					une	13	26	1301.5		June	13	38.5	1334.5
lune	14	33	1503.5		une	14	31.5	1333		June	14	35	1369.5
lune	15	35	1538.0		une	15	41.5	1374.5		June	15	34	1403.5
lune	16	38	1575.5		une	16	46	1420.5		June	16	38	1441.5
June	17	40	1615.0	Ju	une	17	43.5	1464		June	17	38.5	1480
lune	18	46	1660.5	Ju	une	18	38.5	1502.5		June	18	39	1519
lune	19	49	1709.5	Ju	une	19	31	1533.5		June	19	33	1552
une	20	40	1749.0	Ju	une	20	31	1564.5		June	20	25.5	1577.5
une	21	38	1787.0	Ju	une	21	34.5	<b>1599</b>		June	21	21	1598.5
une	22	42	1828.5	Ju	une	22	31	<i>1630</i>		June	22	24.5	1623
lune	23	31	1859.5	Ju	une	23	33	<i>1663</i>		June	23	34.5	1657.5
une	24	38	1897.0	Ju	une	24	32	1695		June	24	38.5	1696
une	25	48	1944.5	Ju	une	25	33	1728	-	June	25	00.0	2000
une	26	45	1989.5	Ju	une	26	41	1769		June	25		
une	27	35	2024.0	Ju	une	27	37	1806		June	20		
une	28	33	2057.0	Ju	une	28	40	1846		June	27		
June	29	37	2094.0		une	29	39	1885		June	28		
June	30	38	2131.5	1	une	30	43.5	1928.5	-	June	30		

**Bottom line:** Growers are expressing reluctance to begin their fungicide program due to dry conditions. However, close examination of morning leaves indicate subtle dew formations that when coupled with adequate GDU accumulation and canopy closure suggest that CLS has enough tools to germinate. Please consider initiating your CLS program soon.

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