

OSU IPPC uspest.org phenology model and degree-day calculator usage (model runs since 1999, 2001 NA, odd yrs before 2010 not shown)

Abv	Model Name	2000	2002	2004	2006	2008	2010	2011	2012	2013	2014	2015	2016	2017	2018	Totals	Avg / yr yrs avail.
1	aaa degree-day calculator	3219	5697	7536	6836	10007	10520	18227	11559	10511	12884	25702	33827	28822	32453	247,200	13,708
2	aats T-Sum 200 N fertilization	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	27
3	acp asian citrus psyllid	0	0	0	0	0	0	0	0	244	450	412	311	827	151	2,395	399
4	alb asian longhorned beetle	0	0	0	0	0	0	0	0	0	0	0	0	119	85	204	102
5	am1 apple maggot 1st emerge	0	0	36	76	56	445	541	311	369	528	324	322	403	261	3,869	258
6	am2 apple maggot percent emerge	0	0	14	20	15	62	140	155	159	252	216	174	150	139	1,585	106
7	asc apple scab infection season	101	135	76	121	184	868	1044	889	1609	2041	1343	1077	1112	1148	12,216	678
8	asp pear scab infection season	0	355	315	146	102	285	347	453	381	553	314	261	322	302	4,992	294
9	aw1 alfalfa weevil #1	0	0	0	0	0	0	0	0	0	0	155	294	361	177	987	247
10	baw bertha armyworm	5	7	9	10	7	208	119	165	129	227	133	137	69	48	1,294	72
11	bcw black cutworm	15	7	10	27	18	294	463	295	454	599	486	250	225	121	3,306	184
12	bms brown marmorated stink bug	0	0	0	0	0	0	263	351	465	380	468	309	562	170	2,968	371
13	bra broccoli-Arcadia	0	0	0	0	0	0	0	0	0	0	45	438	172	130	785	196
14	bre broccoli-Emerald Pride	0	0	0	0	0	0	0	0	0	0	0	189	70	67	328	82
15	brg broccoli-Green Magic	0	0	0	0	0	0	0	0	0	0	20	254	161	95	530	133
16	bri broccoli-Imperial	0	0	0	0	0	0	0	0	0	0	6	98	140	60	304	76
17	brl Barley	0	10	20	10	7	110	37	56	162	103	64	151	95	54	934	55
18	cbl cabbage looper	3	6	17	73	21	180	159	157	285	304	115	141	132	73	1,744	97
19	cew corn earworm	16	70	30	103	42	151	270	262	391	432	338	249	269	112	2,851	157
20	cf2 west. cherry fruit fly v2	0	0	0	2	217	302	551	649	403	828	346	2038	1227	3168	10,006	715
21	cff western cherry fruit fly	120	160	223	244	189	285	399	353	544	690	356	289	341	133	5,125	284
22	chk ChickPea Desi intrmd grwth	0	25	3	5	5	5	3	14	23	65	43	124	112	6	447	26
23	cl2 codling moth v2	0	0	0	0	530	880	1179	678	412	623	561	2236	1572	3539	13,310	1,109
24	cl3 codling moth no biofix	0	0	0	0	0	1443	1749	1757	1861	2543	1496	1108	1288	982	14,626	1,463
25	clb cereal leaf beetle	0	0	0	0	0	347	685	165	253	470	552	233	314	130	3,149	350
26	clm codling moth	1123	1903	2346	1755	2110	2972	2557	3128	2773	3145	2193	4152	2710	4690	45,585	2,528
27	cm1 cabbage maggot	0	0	0	10	62	291	1280	1054	1550	1517	747	190	354	104	7,284	560
28	cmds cucumber-Mktmore 76 (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	79	87	32	198	66
29	cnl Canola-Argentine	0	5	9	12	11	107	6	12	104	101	165	135	66	18	778	49
30	cnp Canola-Polish indet. growth	0	1	5	5	5	14	3	10	19	86	44	108	37	8	349	22
31	cnr Canary	0	1	1	1	6	24	20	7	66	63	36	76	22	7	331	24
32	cuco cucumber-Cobra (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	76	57	56	189	63
33	cmtp cucumber-Mktmore 76 (trnsplant)	0	0	0	0	0	0	0	0	0	0	0	119	44	84	247	82
34	cuda cucumber-Dasher II (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	33	67	30	130	43
35	cuza cucumber-Zapata (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	37	12	14	63	21
36	cuex cucumber-Extreme (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	29	60	44	133	44
37	cusu cucumber-Supremo (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	17	35	13	65	22
38	db downy brome	46	21	54	63	27	288	759	320	281	298	155	197	116	26	2,789	155
39	dca Diorhabda carinulata	0	0	0	0	0	0	0	0	0	0	0	0	200	167	367	184
40	dnm Douglas-fir needle midge	0	0	0	0	0	0	60	219	473	371	353	180	119	76	1,851	231
41	eab emerald ash borer	0	0	0	0	0	257	432	253	516	498	592	387	603	360	3,904	390
42	eb1 early blight of potato	0	0	0	0	0	0	2022	945	1340	1299	590	190	288	71	6,745	843

2018 tally

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43	egm	0	0	0	0	0	79	859	733	1105	1170	616	398	337	298	5,595	622
44	eps	68	39	135	91	71	57	132	105	322	400	394	145	212	97	2,751	153
45	fbb	0	0	0	0	0	0	0	236	116	270	61	167	91	4	945	135
46	fbl	300	651	760	263	774	774	695	505	1019	915	570	962	587	720	12,391	687
47	fbw	119	120	159	119	143	567	528	434	402	412	310	488	399	270	5,139	284
48	fix	0	0	0	7	6	36	2	5	50	59	42	102	95	16	426	30
49	ftl	0	0	0	0	0	17	46	15	367	892	505	273	229	136	2,482	248
50	gca	0	0	0	0	0	0	0	0	584	361	88	188	112	301	1,634	272
51	gm1	0	0	0	0	9	12	103	111	161	108	80	139	114	36	876	80
52	gm2	0	0	0	0	14	13	96	136	148	61	51	91	135	14	773	70
53	gm3	0	0	0	0	0	475	1133	1194	1516	1968	1848	2112	1854	1733	13,868	1,387
54	hdm	0	0	0	0	0	148	1060	392	57	236	185	288	274	231	2,871	319
55	hns	0	0	0	0	0	0	0	0	0	0	0	149	78	29	256	85
56	ism	25	14	12	5	7	20	4	97	21	57	65	122	40	8	529	29
57	jkp	0	0	0	0	0	0	0	0	0	0	0	0	28	11	39	20
58	jpb	0	0	0	0	0	0	0	0	0	0	481	203	331	355	1,370	343
59	jpsb	0	0	0	0	0	0	0	0	0	0	0	108	222	48	378	126
60	lba	0	0	0	0	0	0	0	72	182	272	288	128	231	93	1,266	181
61	lbq	0	0	0	0	0	0	0	0	0	0	0	45	52	35	132	44
62	lnt	0	3	1	5	1	25	6	8	17	68	57	100	69	36	415	28
63	lsu	0	0	0	4	2	9	22	9	84	63	38	102	88	10	434	33
64	lyg	0	106	64	80	141	227	281	177	245	357	329	288	554	372	3,698	218
65	mfb	7	23	29	23	33	91	57	85	131	137	80	119	101	25	1,048	58
66	mmb	0	0	0	0	0	0	0	0	0	52	213	78	69	39	451	90
67	moc	5	0	0	17	2	18	3	6	17	75	47	103	111	16	424	30
68	mrb	8	14	22	15	20	65	242	202	209	288	206	532	162	94	2,109	117
69	msj	0	0	2	4	1	1	3	10	15	62	46	83	55	11	307	19
70	msy	0	3	1	2	1	6	3	24	19	66	55	89	60	5	355	21
71	nfa	12	7	6	4	3	11	14	15	67	78	51	76	61	15	437	26
72	oab	0	0	0	0	0	0	0	0	0	0	0	83	164	73	320	107
73	oat	0	1	2	5	1	127	77	26	168	131	51	87	56	18	775	46
74	ob2	108	613	271	121	67	270	390	245	270	544	312	2520	1430	3016	10,726	595
75	obl	15	17	11	11	15	254	285	235	379	422	204	143	127	75	2,252	125
76	ofm	0	0	22	14	25	80	90	188	229	284	176	1914	1254	3031	7,351	459
77	olt	0	0	0	0	0	0	0	345	611	548	299	694	125	107	2,729	390
78	otc	17	3	98	34	17	16	33	8	86	115	78	636	126	25	1,348	75
79	otm	11	47	48	70	53	288	256	536	289	3623	2038	2200	3174	6371	19,346	1,075
80	owbw	0	0	0	0	0	0	0	0	0	0	0	0	0	81	81	81
81	pbo	0	0	0	0	0	0	0	0	0	0	31	609	46	34	720	180
82	pcb	0	0	0	0	0	163	119	12	72	82	206	627	221	59	1,570	157
83	pea	0	1	2	5	7	193	196	413	512	644	542	654	83	75	3,360	198
84	plr	53	29	3	4	6	66	9	25	76	76	71	2312	1106	2697	6,551	364
85	ppbk	0	0	0	0	0	0	0	0	0	0	0	0	77	128	205	103

2018 tally

86	ppgg	Pepper-Gatherers gold	0	0	0	0	0	0	0	0	0	0	0	0	24	9	33	17
87	ppka	Pepper-King Arthur	0	0	0	0	0	0	0	0	0	0	0	0	22	41	63	32
88	ppsr	Pepper-Stocky red roaster	0	0	0	0	0	0	0	0	0	0	0	0	26	22	48	24
89	ppsy	potato psyllid	0	0	0	0	0	0	0	0	0	0	0	180	57	237	119	
90	psb	pine shoot beetle	0	0	0	0	0	0	26	60	221	233	321	626	202	101	1,790	224
91	ptb	peach twig borer	0	0	0	0	46	127	84	105	209	220	160	2414	1246	3021	7,668	697
92	ptlm	pine tree lappet moth	0	0	0	0	0	0	0	0	0	0	604	208	80	892	297	
93	rpw	redroot pigweed	0	0	0	0	0	0	0	0	0	0	601	78	49	728	243	
94	saf	Safflower (Saffire)	0	51	3	9	2	0	15	6	18	58	43	627	106	118	1,072	71
95	sbr	small broomrape	0	0	6	6	11	5	116	62	65	93	102	659	103	113	1,407	94
96	scn	sweet corn	34	79	276	349	617	341	422	394	781	596	362	941	599	444	7,223	400
97	sjs	San Jose scale	195	328	205	41	73	112	121	94	126	183	107	2331	1231	3001	8,584	476
98	sli	Spodoptera litura com cutworm	0	1	3	0	0	0	0	0	0	0	0	32	81	124	21	
99	snf	Sunflower early maturing only	0	2	4	3	6	8	25	42	46	86	69	643	117	18	1,082	64
100	srm	sugarbeet root maggot	0	70	47	56	12	45	37	52	125	168	63	702	122	42	1,679	99
101	srw	strawberry root weevil	38	39	39	21	13	39	86	144	143	158	120	676	88	28	1,821	100
102	srx	strawberry root weevil (mint)	0	0	13	20	33	179	677	125	185	132	143	676	264	40	2,558	171
103	ssw	sunflower stem weevil	0	0	0	0	0	0	30	16	99	78	62	643	133	56	1,117	140
104	stb	small tomato borer	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	
105	swd	spotted wing Drosophila	0	0	0	0	0	1808	3511	3125	5319	9660	8767	11052	3284	4330	50,856	5,651
106	swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	116	139	97	759	184	69	1,364	227	
107	tcah	threecornered alfalfa hopper	0	0	0	0	0	0	0	0	0	0	16	364	240	620	207	
108	vcw	variegated cutworm	11	13	14	8	7	96	497	293	429	561	332	805	224	139	3,456	192
109	wbc	western bean cutworm	0	0	0	0	0	103	198	138	298	254	183	693	255	64	2,186	243
110	wft	western flower thrips	0	0	0	0	0	0	442	1029	1214	1280	787	1215	920	630	7,517	940
111	whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	0	17	75	149	62	625	217	221	1,366	195
112	whf	walnut husk fly	0	0	0	0	12	96	55	50	127	145	77	656	192	140	1,563	142
113	whr	Wheat R	0	27	25	63	33	290	538	133	132	269	111	684	162	126	2,773	163
114	wht	winter wheat	40	94	36	73	108	382	730	186	411	543	318	797	452	322	4,892	271
			<u>2000</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>	<u>2008</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	Totals	Avg / yr
	Totals		7714	12800	15027	13077	18021	30087	49680	38904	47475	63265	63385	102133	71534	85948	679,860	ysrs avail.
	Count # phenology models		28	43	49	53	58	67	74	78	81	82	88	103	112	115		