

OSU OIPMC uspest.org phenology models and degree-day calculator usage (model runs since 1999, 2001 NA, odd yrs before 2016 not shown)

#	Abv.	Model	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	Totals	Avglyr for yrs avail.
1	aaa	degree-day calculator	3,219	5,697	7,536	6,836	10,007	10,520	11,559	12,884	33,827	28,822	32,453	61,423	71,016	379,639	18,078
2	aats	T-Sum 200 N fertilization	0	0	0	0	0	0	0	0	0	0	27	117	91	235	78
3	acp	asian citrus psyllid	0	0	0	0	0	0	0	450	311	827	151	266	172	2,833	354
4	alb	asian longhorned beetle	0	0	0	0	0	0	1	0	0	119	85	173	119	503	84
5	am1	apple maggot 1st emerge	0	0	36	76	56	445	311	528	322	403	261	332	417	4,618	272
6	am2	apple maggot percent emerge	0	0	14	20	15	62	155	252	174	150	139	177	221	1,983	117
7	aw1	alfalfa weevil #1	0	0	0	0	0	0	0	0	294	361	177	372	282	1,641	274
8	baw	bertha armyworm	5	7	9	10	7	208	165	227	137	69	48	24	46	1,364	65
9	bbb	bronze birch borer	0	0	0	0	0	0	0	0	0	0	0	312	196	508	254
10	bcw	black cutworm	15	7	10	27	18	294	295	599	250	225	121	250	145	3,701	176
11	bms	brown marmorated stink bug	0	0	0	0	0	0	351	380	309	562	170	318	249	3,535	354
12	cbl	cabbage looper	3	6	17	73	21	180	157	304	141	132	73	86	57	1,887	90
13	cew	corn earworm	16	70	30	103	42	151	262	432	249	269	112	340	121	3,312	158
14	cf2	west. cherry fruit fly v2	0	0	0	2	217	302	649	828	2,038	1,227	3,168	1,005	514	11,525	720
15	cff	western cherry fruit fly	120	160	223	244	189	285	353	690	289	341	133	141	222	5,488	261
16	clm	codling moth	1,123	1,903	2,346	1,755	2,110	2,972	3,128	3,145	4,152	2,710	4,690	2,214	2,872	50,671	2,413
17	cl2	codling moth v2	0	0	0	0	530	880	678	623	2,236	1,572	3,539	1,691	1,437	16,438	1,174
18	cl3	codling moth no biofix	0	0	0	0	0	1,443	1,757	2,543	1,108	1,288	982	1,226	1,825	17,677	1,473
19	clb	cereal leaf beetle	0	0	0	0	0	347	165	470	233	314	130	269	49	3,467	315
20	cm1	cabbage maggot	0	0	0	10	62	291	1,054	1,517	190	354	104	302	230	7,816	521
21	dnm	Douglas-fir needle midge	0	0	0	0	0	0	219	371	180	119	76	148	101	2,100	210
22	eab	emerald ash borer	0	0	0	0	0	257	253	498	387	603	360	1,405	452	5,761	480
23	egm	european grapevine moth	0	0	0	0	0	79	733	1,170	398	337	298	401	86	6,082	553
24	eps	european pine shoot moth	68	39	135	91	71	57	105	400	145	212	97	262	101	3,114	148
25	fbw	filbertworm	119	120	159	119	143	567	434	412	488	399	270	279	381	5,799	276
26	ftl	fruittree leafroller	0	0	0	0	0	17	15	892	273	229	136	110	171	2,763	230
27	gm1	gypsy moth egg hatch	0	0	0	0	9	12	111	108	139	114	36	64	32	972	75
28	gm2	gypsy moth larvae & pupae	0	0	0	0	14	13	136	61	91	135	14	52	46	871	67
29	gm3	gypsy moth Sheehan-simplified	0	0	0	0	0	475	1,194	1,968	2,112	1,854	1,733	4,830	1,973	20,671	1,723
30	ism	isomate-c+	25	14	12	5	7	20	97	57	122	40	8	104	18	651	31
31	jft	Japanese flower thrips	0	0	0	0	0	0	0	0	0	61	85	143	35	324	81
32	jpb	Japanese beetle	0	0	0	0	0	0	0	0	203	331	355	446	376	2,192	365
33	lsu	Lacanobia fruitworm	0	0	0	4	2	9	9	63	102	88	10	2	7	443	30
34	lyg	Lygus bug [alfalfa seed]	0	106	64	80	141	227	177	357	288	554	372	434	260	4,392	231
35	mfb	mint flea beetle	7	23	29	23	33	91	85	137	119	101	25	18	19	1,085	54
36	mrb	mint root borer	8	14	22	15	20	65	202	288	532	162	94	292	169	2,570	129
37	ob2	obliquebanded leafroller no.2	108	613	271	121	67	270	245	544	2,520	1,430	3,016	920	442	12,088	576
38	obl	obliquebanded leafroller no.1	15	17	11	11	15	254	235	422	143	127	75	80	46	2,378	113
39	ofm	oriental fruit moth	0	0	22	14	25	80	188	284	1,914	1,254	3,031	797	499	8,647	480

40 olt	omnivorous leaftier	0	0	0	0	0	0	345	548	694	125	107	181	84	2,994	333
41 otc	orange tortrix (cold winter)	17	3	98	34	17	16	8	115	636	126	25	4	6	1,358	65
42 otm	orange tortrix (mild winter)	11	47	48	70	53	288	536	3,623	2,200	3,174	6,371	3,030	2,238	24,614	1,172
43 pbo	pink bollworm	0	0	0	0	0	0	0	0	609	46	34	5	4	729	122
44 pcb	pecan nut casebearer	0	0	0	0	0	163	12	82	627	221	59	142	25	1,737	145
45 plr	Pandemis leafroller	53	29	3	4	6	66	25	76	2,312	1,106	2,697	658	292	7,501	375
46 ppsy	potato psyllid	0	0	0	0	0	0	0	0	0	180	57	162	16	415	104
47 ptb	peach twig borer	0	0	0	0	46	127	105	220	2,414	1,246	3,021	912	432	9,012	693
48 sjs	San Jose scale	195	328	205	41	73	112	94	183	2,331	1,231	3,001	891	451	9,926	473
49 srm	sugarbeet root maggot	0	70	47	56	12	45	52	168	702	122	42	23	33	1,735	91
50 srw	strawberry root weevil	38	39	39	21	13	39	144	158	676	88	28	20	21	1,862	89
51 srx	strawberry root weevil (mint)	0	0	13	20	33	179	125	132	676	264	40	32	27	2,617	154
52 ssw	sunflower stem weevil	0	0	0	0	0	0	16	78	643	133	56	101	8	1,226	123
53 swd	spotted wing Drosophila	0	0	0	0	0	1,808	3,125	9,660	11,052	3,284	4,330	1,706	1,030	53,592	4,872
54 sww	testng spot wing Dros new	0	0	0	0	0	0	0	83	611	183	47	10	11	1,039	148
55 swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	139	759	184	69	37	18	1,419	177
56 tcsh	threecornered alfalfa hopper	0	0	0	0	0	0	0	0	16	364	240	277	77	974	195
57 vcw	variegated cutworm	11	13	14	8	7	96	293	561	805	224	139	317	155	3,928	187
58 wbc	western bean cutworm	0	0	0	0	0	103	138	254	693	255	64	131	35	2,352	214
59 wft	western flower thrips	0	0	0	0	0	0	1,029	1,280	1,215	920	630	816	670	9,003	900
60 whf	walnut husk fly	0	0	0	0	12	96	50	145	656	192	140	52	88	1,703	131
61 asrb	asiatic rice borer	0	0	0	0	0	0	0	0	0	0	0	0	33	33	33
62 cgn	honeydew moth Crypt. gnidiella	0	0	0	0	0	0	0	0	0	0	0	11	31	42	21
63 fcm	false codling moth	0	0	0	0	0	0	0	0	0	0	0	50	47	97	49
64 jpsb	Japanese pine sawyer beetle	0	0	0	0	0	0	0	0	108	222	48	132	63	573	115
65 lba	light brown apple moth	0	0	0	0	0	0	72	272	128	231	93	149	131	1,546	172
66 oab	oak ambrosia beetle	0	0	0	0	0	0	0	0	83	164	73	223	74	617	123
67 owbw	old world bollworm (H armig.)	0	0	0	0	0	0	0	0	0	0	81	170	55	306	102
68 ppsb	pine shoot beetle	0	0	0	0	0	0	0	0	0	0	0	61	43	104	52
69 ptlm	pine tree lappet moth	0	0	0	0	0	0	0	0	604	208	80	140	75	1,107	221
70 sli	Spodoptera litura com cutworm	0	1	3	0	0	0	0	0	0	32	81	186	46	356	45
71 slym	Autographa gamma silver Y mc	0	0	0	0	0	0	0	0	0	0	0	0	33	33	33
72 stb	small tomato borer	0	0	0	0	0	0	0	0	0	0	49	199	78	326	109
73 tabs	tomato leafminer (T. absoluta)	0	0	0	0	0	0	0	0	0	0	0	5	70	75	38
74 dca	Diorhabda carinulata	0	0	0	0	0	0	0	0	0	200	167	487	262	1,116	279
75 fbb	Fenders blue butterfly	0	0	0	0	0	0	236	270	167	91	4	29	9	983	109
76 gca	Galerucella californiensis	0	0	0	0	0	0	0	361	188	112	301	71	6	1,711	214
77 jkp	Japanese knotweed psyllid	0	0	0	0	0	0	0	0	0	28	11	13	24	76	19
78 moc	Metaseiulus occidentalis	5	0	0	17	2	18	6	75	103	111	16	4	8	436	27
79 nfa	Neoseiulus fallacis	12	7	6	4	3	11	15	78	76	61	15	8	6	451	24
80 asc	apple scab infection season	101	135	76	121	184	868	889	2,041	1,077	1,112	1,148	1,137	695	14,048	669
81 asp	pear scab infection season	0	355	315	146	102	285	453	553	261	322	302	231	289	5,512	290

82 ebl	early blight of potato	0	0	0	0	0	0	945	1,299	190	288	71	142	127	7,014	701
83 fbl	cougarblight (fire blight)	300	651	760	263	774	774	505	915	962	587	720	534	943	13,868	660
84 hdm	hop downy mildew	0	0	0	0	0	148	392	236	288	274	231	111	110	3,092	281
85 mmb	mummy berry infection season	0	0	0	0	0	0	0	52	78	69	39	35	49	535	76
86 db	downy brome	46	21	54	63	27	288	320	298	197	116	26	35	70	2,894	145
87 hns	hairy nightshade	0	0	0	0	0	0	0	0	149	78	29	23	10	289	58
88 lbq	lambsquarter	0	0	0	0	0	0	0	0	45	52	35	19	22	173	35
89 rpw	redroot pigweed	0	0	0	0	0	0	0	0	601	78	49	31	47	806	161
90 sbr	small broomrape	0	0	6	6	11	5	62	93	659	103	113	52	50	1,509	89
91 bnfs	bean (snap)-5630	0	0	0	0	0	0	0	0	0	0	0	0	67	67	67
92 bnpr	bean (snap)-Provider	0	0	0	0	0	0	0	0	0	0	0	0	94	94	94
93 bnsa	bean (snap)-Sahara	0	0	0	0	0	0	0	0	0	0	0	0	54	54	54
94 bra	broccoli-Arcadia	0	0	0	0	0	0	0	0	438	172	130	114	172	1,071	179
95 bre	broccoli-Emerald Pride	0	0	0	0	0	0	0	0	189	70	67	41	112	481	80
96 brg	broccoli-Green Magic	0	0	0	0	0	0	0	0	254	161	95	66	252	848	141
97 bri	broccoli-Imperial	0	0	0	0	0	0	0	0	98	140	60	50	96	450	75
98 cmds	cucumber-Mktmore 76 (dir. see	0	0	0	0	0	0	0	0	79	87	32	105	62	365	73
99 cuco	cucumber-Cobra (dir. seed)	0	0	0	0	0	0	0	0	76	57	56	53	69	311	62
100 cmtp	cucumber-Mktmore 76 (trnsplar	0	0	0	0	0	0	0	0	119	44	84	30	35	312	62
101 cuda	cucumber-Dasher II (dir. seed)	0	0	0	0	0	0	0	0	33	67	30	31	11	172	34
102 cuza	cucumber-Zapata (dir. seed)	0	0	0	0	0	0	0	0	37	12	14	15	37	115	23
103 cuex	cucumber-Extreme (dir. seed)	0	0	0	0	0	0	0	0	29	60	44	39	9	181	36
104 cusu	cucumber-Supremo (dir. seed)	0	0	0	0	0	0	0	0	17	35	13	23	11	99	20
105 ppbk	pepper-Bell King	0	0	0	0	0	0	0	0	0	77	128	37	38	280	70
106 ppgg	pepper-Gatherers gold	0	0	0	0	0	0	0	0	0	24	9	44	16	93	23
107 ppka	pepper-King Arthur	0	0	0	0	0	0	0	0	0	22	41	45	23	131	33
108 ppsr	pepper-Stocky red roaster	0	0	0	0	0	0	0	0	0	26	22	19	77	144	36
109 scn	sweet corn-Jubilee-dir. seed	34	79	276	349	617	341	394	596	941	599	444	648	351	8,222	392
110 sclds	sweet corn-Luscious-dir. seed	0	0	0	0	0	0	0	0	0	0	0	34	164	198	99
111 scltp	sweet corn-Luscious-trnsplant	0	0	0	0	0	0	0	0	0	0	0	25	34	59	30
112 scsds	sweet corn-Sug. Pearl-dir. seec	0	0	0	0	0	0	0	0	0	0	0	21	60	81	41
113 scstp	sweet corn-Sug. Pearl-trnsplan	0	0	0	0	0	0	0	0	0	0	0	25	40	65	33
114 scfds	sweet corn-4001-dir. seed	0	0	0	0	0	0	0	0	0	0	0	50	578	628	314
115 sckds	sweet corn-Kokanee-dir. seed	0	0	0	0	0	0	0	0	0	0	0	16	100	116	58
116 tbb	tomato-Big Beef	0	0	0	0	0	0	0	0	0	0	0	242	227	469	235
117 tir	tomato-Indigo Rose	0	0	0	0	0	0	0	0	0	0	0	67	123	190	95
118 tmo	tomato-Monica	0	0	0	0	0	0	0	0	0	0	0	38	49	87	44
119 tng	tomato-New Girl	0	0	0	0	0	0	0	0	0	0	0	78	115	193	97
120 brl	Barley	0	10	20	10	7	110	56	103	151	95	54	32	61	1,027	54
121 chk	ChickPea Desi intrmd grwth	0	25	3	5	5	5	14	65	124	112	6	10	4	461	24
122 cnl	Canola-Argentine	0	5	9	12	11	107	12	101	135	66	18	9	4	791	44
123 cnp	Canola-Polish indet. growth	0	1	5	5	5	14	10	86	108	37	8	6	5	360	20

124 flx	Flax	0	0	0	7	6	36	5	59	102	95	16	37	13	476	30
125 lnt	Lentil-intermed grwth chars	0	3	1	5	1	25	8	68	100	69	36	7	4	426	25
126 msj	Mustard-Brwn+Orntl indgrwth	0	0	2	4	1	1	10	62	83	55	11	7	2	316	18
127 msy	Mustard-Yellow indet grwth	0	3	1	2	1	6	24	66	89	60	5	9	2	366	19
128 oat	Oat	0	1	2	5	1	127	26	131	87	56	18	8	16	799	42
129 pea	Pea (yellow)	0	1	2	5	7	193	413	644	654	83	75	24	27	3,411	180
130 saf	Safflower (Saffire)	0	51	3	9	2	0	6	58	627	106	118	2	11	1,085	64
131 snf	Sunflower early maturing only	0	2	4	3	6	8	42	86	643	117	18	85	5	1,172	62
132 whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	17	149	625	217	221	60	30	1,456	162
133 whr	Wheat R	0	27	25	63	33	290	133	269	684	162	126	48	58	2,879	152
134 wht	winter wheat	40	94	36	73	108	382	186	543	797	452	322	233	137	5,262	251
		<u>2000</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>	<u>2008</u>	<u>2010</u>	<u>2012</u>	<u>2014</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	Totals	Avg/yr for yrs avail.
Totals		5,714	10,797	13,022	11,070	16,007	28,053	36,826	61,038	100,026	69,537	83,954	98,153	98,177	837,071	39,861
Count # phenology models		27	41	47	51	56	65	76	80	101	111	114	129	134		

Totals by model type:

Total DD Calculator Model Runs	3,219	5,697	7,536	6,836	10,007	10,520	11,559	12,884	33,827	28,822	32,480	61,540	71,107	379,874	18,156
Total Insect Models	1,974	3,636	3,886	3,078	4,091	13,520	20,345	39,581	54,373	34,201	46,417	31,847	21,294	371,829	27,550
Total Plant Disease DD Models	401	1,141	1,151	530	1,060	2,075	3,184	5,096	2,856	2,652	2,511	2,190	2,213	44,069	2,678
Total Weed Models	46	21	60	69	38	293	382	391	1,651	427	252	160	199	5,671	487
Total CROPTIME models	34	79	276	349	617	341	394	596	2,310	1,653	1,269	1,956	3,076	15,576	2,598
Total Agronomic crop models	40	223	113	208	194	1,304	962	2,490	5,009	1,782	1,052	577	379	20,287	1,145
Total All Models	5,714	10,797	13,022	11,070	16,007	28,053	36,826	61,038	100,026	69,537	83,981	98,270	98,268	837,306	52,614

Totals for various interfaces used to run degree-day models:

	<u>2002</u>	<u>2004</u>	<u>2006</u>	<u>2008</u>	<u>2010</u>	<u>2012</u>	<u>2014</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	Totals
uspest.org/dd/model_app (mobile app)	0	0	0	0	0	0	0	0	0	0	13,161	15,382	28,543
uspest.org/dd/model (multi start-dates)	0	0	0	0	0	0	1	5,534	10,668	10,764	15,659	4,857	47,503
uspest.org/cgi-bin/ddmodel.us (legacy)	8,401	7,756	7,499	9,953	8,635	9,417	12,186	15,982	16,380	15,715	20,153	23,697	216,763
uspest.org/risk/models (MyPest Page)	0	0	0	0	5,408	11,943	12,549	18,207	25,605	18,341	29,180	16,907	182,084
uspest.org/cgi-bin/glinks (map access)	238	784	1,112	2,441	3,089	2,131	1,411	2,082	2,312	2,937	2,451	2,260	36,407
index State Network pages	180	1,555	575	2,273	4,001	3,696	2,570	1,494	2,340	1,823	1,890	1,906	45,506
direct run from google	2	0	0	0	5	61	51	49	76	85	299	107	832
uspest.org/cgi-bin/sdb/viewdb (model databa	0	0	0	0	0	106	174	860	638	629	828	942	4,420
Totals (note not all interfaces are logged)					21,138	27,354	28,942	44,208	58,019	50,294	83,621	66,058	491,812