

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

#	Abv.	Model	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	2021	Totals	Avg/yr yrs avail
1	aaa	degree-day calculator	3219	5697	7536	6836	10007	10520	11559	12884	28784	28822	32453	30941	35913	31108	340,119	15,460
2	aats	T-Sum 200 N fertilization	0	0	0	0	0	0	0	0	0	0	27	117	91	87	322	81
3	acp	asian citrus psyllid	0	0	0	0	0	0	0	450	311	827	151	266	172	288	3,121	347
4	alb	asian longhorned beetle	0	0	0	0	0	0	1	0	0	119	85	173	112	183	679	97
5	am1	apple maggot 1st emerge	0	0	36	76	56	445	311	528	322	403	261	332	416	491	5,108	284
6	am2	apple maggot percent emerge	0	0	14	20	15	62	155	252	174	150	139	177	221	359	2,342	130
7	aw1	alfalfa weevil #1	0	0	0	0	0	0	0	0	294	361	177	372	282	399	2,040	291
8	baw	bertha armyworm	5	7	9	10	7	208	165	227	137	69	48	24	46	91	1,455	66
9	bbb	bronze birch borer	0	0	0	0	0	0	0	0	0	0	0	314	196	96	606	202
10	bcw	black cutworm	15	7	10	27	18	294	295	599	250	225	121	250	145	279	3,980	181
11	bms	brown marmorated stink bug	0	0	0	0	0	0	351	380	309	562	170	318	243	477	4,006	364
12	cbl	cabbage looper	3	6	17	73	21	180	157	304	140	132	73	86	57	128	2,014	92
13	cew	corn earworm	16	70	30	103	42	151	262	432	248	269	112	340	121	265	3,576	163
14	cf2	west. cherry fruit fly v2	0	0	0	2	217	302	649	828	1888	1227	3168	1096	496	932	12,380	728
15	cff	western cherry fruit fly	120	160	223	244	189	285	353	690	289	341	133	141	202	252	5,720	260
16	clm	codling moth	1123	1903	2346	1755	2110	2972	3128	3145	3435	2710	4690	2307	2606	3305	53,086	2,413
17	cl2	codling moth v2	0	0	0	0	530	880	678	623	2086	1572	3539	1780	1346	1937	18,223	1,215
18	cl3	codling moth no biofix	0	0	0	0	0	1443	1757	2543	1108	1288	982	1225	1725	1949	19,525	1,502
19	clb	cereal leaf beetle	0	0	0	0	0	347	165	470	233	314	130	269	49	67	3,534	295
20	cm1	cabbage maggot	0	0	0	10	62	291	1054	1517	190	354	104	302	230	309	8,125	508
21	dnm	Douglas-fir needle midge	0	0	0	0	0	0	219	371	180	119	76	149	101	48	2,149	195
22	eab	emerald ash borer	0	0	0	0	0	257	253	498	387	603	360	1405	447	418	6,174	475
23	egm	european grapevine moth	0	0	0	0	0	79	733	1170	398	337	298	401	81	193	6,270	523
24	eps	european pine shoot moth	68	39	135	91	71	57	105	400	145	212	97	263	97	172	3,283	149
25	fbw	filbertworm	119	120	159	119	143	567	434	412	488	399	270	279	381	351	6,150	280
26	ftl	fruittree leafroller	0	0	0	0	0	17	15	892	272	229	136	110	139	101	2,831	218
27	gm1	gypsy moth egg hatch	0	0	0	0	9	12	111	108	139	114	36	64	32	68	1,040	74
28	gm2	gypsy moth larvae & pupae	0	0	0	0	14	13	136	61	91	135	14	51	46	118	988	71
29	gm3	gypsy moth Sheehan-simplified	0	0	0	0	0	475	1194	1968	1529	1854	1733	4757	1963	1855	21,860	1,682
30	ism	isomate-c+	25	14	12	5	7	20	97	57	122	40	8	104	18	8	659	30
31	jft	Japanese flower thrips	0	0	0	0	0	0	0	0	0	61	85	143	32	174	495	99
32	jpb	Japanese beetle	0	0	0	0	0	0	0	0	203	331	355	444	369	339	2,522	360
33	lsu	Lacanobia fruitworm	0	0	0	4	2	9	9	63	102	88	10	2	7	100	543	34
34	lyg	Lygus bug [alfalfa seed]	0	106	64	80	141	227	177	357	288	554	372	434	260	251	4,643	232
35	mfb	mint flea beetle	7	23	29	23	33	91	85	137	119	101	25	18	19	22	1,107	53
36	mrb	mint root borer	8	14	22	15	20	65	202	288	532	162	94	292	169	151	2,721	130
37	ob2	obliquebanded leafroller no.2	108	613	271	121	67	270	245	544	1802	1430	3016	1010	442	751	12,211	555
38	obl	obliquebanded leafroller no.1	15	17	11	11	15	254	235	422	143	127	75	80	46	123	2,501	114
39	ofm	oriental fruit moth	0	0	22	14	25	80	188	284	1763	1254	3031	887	498	816	9,401	495
40	olt	omnivorous leaftier	0	0	0	0	0	0	345	548	162	125	107	183	84	135	2,599	260
41	otc	orange tortrix (cold winter)	17	3	98	34	17	16	8	115	104	126	25	4	6	6	832	38
42	otm	orange tortrix (mild winter)	11	47	48	70	53	288	536	3623	1511	3174	6371	3305	2238	2867	27,067	1,230
43	pbo	pink bollworm	0	0	0	0	0	0	0	0	78	46	34	5	4	8	206	29
44	pcb	pecan nut casebearer	0	0	0	0	0	163	12	82	96	221	59	142	25	139	1,345	103
45	plr	Pandemis leafroller	53	29	3	4	6	66	25	76	1641	1106	2697	742	292	590	7,504	357
46	ppsy	potato psyllid	0	0	0	0	0	0	0	0	0	180	57	162	16	107	522	104

47	ptb	peach twig borer	0	0	0	0	46	127	105	220	1733	1246	3021	1002	432	691	9,112	651
48	sjs	San Jose scale	195	328	205	41	73	112	94	183	1650	1231	3001	981	451	697	10,032	456
49	srn	sugarbeet root maggot	0	70	47	56	12	45	52	168	171	122	42	23	33	20	1,224	61
50	srw	strawberry root weevil	38	39	39	21	13	39	144	158	145	88	28	20	21	27	1,358	62
51	srx	strawberry root weevil (mint)	0	0	13	20	33	179	125	132	145	264	40	32	27	51	2,137	119
52	ssw	sunflower stem weevil	0	0	0	0	0	16	78	112	133	56	101	8	96		791	72
53	swd	spotted wing Drosophila	0	0	0	0	0	1808	3125	9660	10464	3284	4330	1709	1021	1687	54,685	4,557
54	swv	testng spot wing Dros new	0	0	0	0	0	0	83	80	183	47	10	11	18		526	66
55	swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	139	228	184	69	37	18	53		941	105
56	tcah	threecornered alfalfa hopper	0	0	0	0	0	0	0	16	364	240	277	77	159		1,133	189
57	vcw	variegated cutworm	11	13	14	8	7	96	293	561	274	224	139	317	155	276	3,673	167
58	wbc	western bean cutworm	0	0	0	0	0	103	138	254	163	255	64	131	35	156	1,978	165
59	wft	western flower thrips	0	0	0	0	0	0	1029	1280	684	920	630	817	670	629	9,102	827
60	whf	walnut husk fly	0	0	0	0	12	96	50	145	125	192	140	52	88	58	1,230	88
61	asrb	asiatic rice borer	0	0	0	0	0	0	0	0	0	0	0	33	96		129	65
62	cgn	honeydew moth Crypt. gnidiella	0	0	0	0	0	0	0	0	0	0	0	11	28	102	141	47
63	ecw	egyptian cottonworm	0	0	0	0	0	0	0	0	0	0	0	0	36	106	142	71
64	fcw	false codling moth	0	0	0	0	0	0	0	0	0	0	0	50	43	84	177	59
65	jpsb	Japanese pine sawyer beetle	0	0	0	0	0	0	0	108	222	48	132	57	104		671	112
66	lba	light brown apple moth	0	0	0	0	0	72	272	128	231	93	149	126	100		1,641	164
67	oab	oak ambrosia beetle	0	0	0	0	0	0	0	83	164	73	223	71	104		718	120
68	owbw	old world bollworm (H armig.)	0	0	0	0	0	0	0	0	0	81	170	46	227		524	131
69	ppsb	pine shoot beetle	0	0	0	0	0	0	0	0	0	0	61	38	159		258	86
70	ptlm	pine tree lappet moth	0	0	0	0	0	0	0	74	208	80	140	67	103		672	112
71	sli	Spodoptera litura com cutworm	0	1	3	0	0	0	0	0	32	81	186	40	197		547	61
72	slym	Autographa gamma silver Y moth	0	0	0	0	0	0	0	0	0	0	0	33	126		159	80
73	stb	small tomato borer	0	0	0	0	0	0	0	0	0	49	199	72	108		428	107
74	sunp	sunn pest (E. integriceps)	0	0	0	0	0	0	0	0	0	0	0	7	89		96	48
75	tabs	tomato leafminer (T. absoluta)	0	0	0	0	0	0	0	0	0	0	5	66	147		218	73
76	dca	Diorhabda carinulata	0	0	0	0	0	0	0	0	200	167	556	262	648		1,833	367
77	fbw	Fenders blue butterfly	0	0	0	0	0	236	270	167	91	4	29	9	31		1,014	101
78	gca	Galerucella californiensis	0	0	0	0	0	0	361	188	112	301	71	6	29		1,740	193
79	jkp	Japanese knotweed psyllid	0	0	0	0	0	0	0	28	11	13	24	36			112	22
80	moc	Metaseiulus occidentalis	5	0	0	17	2	18	6	75	103	111	16	4	8	4	440	26
81	nfa	Neoseiulus fallacis	12	7	6	4	3	11	15	78	76	61	15	8	18		469	23
82	asc	apple scab infection season	101	135	76	121	184	868	889	2041	1077	1112	1148	1137	586	473	14,412	655
83	asp	pear scab infection season	0	355	315	146	102	285	453	553	261	322	302	230	261	238	5,721	286
84	ebf	early blight of potato	0	0	0	0	0	0	945	1299	189	288	71	142	127	179	7,192	654
85	fbl	cougarblight (fire blight)	300	651	760	263	774	774	505	915	951	587	720	540	648	452	14,020	637
86	hdm	hop downy mildew	0	0	0	0	0	148	392	236	288	274	231	110	110	131	3,222	269
87	mmb	mummy berry infection season	0	0	0	0	0	0	52	78	69	39	35	49	166		701	88
88	db	downy brome	46	21	54	63	27	288	320	298	197	116	26	35	70	67	2,961	141
89	hns	hairy nightshade	0	0	0	0	0	0	0	149	78	29	23	10	32		321	54
90	lbq	lambquarter	0	0	0	0	0	0	0	45	52	35	19	22	43		216	36
91	rpw	redroot pigweed	0	0	0	0	0	0	0	70	78	49	31	47	68		343	57
92	sbr	small broomrape	0	0	6	6	11	5	62	93	128	103	113	52	50	55	1,033	57
93	bnfs	bean (snap)-5630	0	0	0	0	0	0	0	0	0	0	0	67	138		205	103
94	bnpr	bean (snap)-Provider	0	0	0	0	0	0	0	0	0	0	0	94	94		188	94
95	bnsa	bean (snap)-Sahara	0	0	0	0	0	0	0	0	0	0	0	54	28		82	41

96 bra	broccoli-Arcadia	0	0	0	0	0	0	0	0	438	172	130	114	172	126	1,197	171
97 bre	broccoli-Emerald Pride	0	0	0	0	0	0	0	0	189	70	67	41	112	65	546	78
98 brg	broccoli-Green Magic	0	0	0	0	0	0	0	0	254	161	95	66	252	84	932	133
99 bri	broccoli-Imperial	0	0	0	0	0	0	0	0	98	140	60	50	96	48	498	71
100 cmds	cucumber-Mktmore 76 (dir. seed)	0	0	0	0	0	0	0	0	79	87	32	105	62	67	432	72
101 cuco	cucumber-Cobra (dir. seed)	0	0	0	0	0	0	0	0	76	57	56	53	69	79	390	65
102 cmtp	cucumber-Mktmore 76 (trnsplant)	0	0	0	0	0	0	0	0	119	44	84	30	35	34	346	58
103 cuda	cucumber-Dasher II (dir. seed)	0	0	0	0	0	0	0	0	33	67	30	31	11	15	187	31
104 cuza	cucumber-Zapata (dir. seed)	0	0	0	0	0	0	0	0	37	12	14	15	37	10	125	21
105 cuex	cucumber-Extreme (dir. seed)	0	0	0	0	0	0	0	0	29	60	44	39	9	9	190	32
106 cusu	cucumber-Supremo (dir. seed)	0	0	0	0	0	0	0	0	17	35	13	23	11	55	154	26
107 ppbk	pepper-Bell King	0	0	0	0	0	0	0	0	0	77	128	37	38	47	327	65
108 ppgg	pepper-Gatherers gold	0	0	0	0	0	0	0	0	0	24	9	44	16	50	143	29
109 ppka	pepper-King Arthur	0	0	0	0	0	0	0	0	0	22	41	45	23	26	157	31
110 ppsr	pepper-Stocky red roaster	0	0	0	0	0	0	0	0	0	26	22	19	77	53	197	39
111 scn	sweet corn-Jubilee-dir. seed	34	79	276	349	617	341	394	596	410	599	444	648	351	555	8,246	375
112 sclds	sweet corn-Luscious-dir. seed	0	0	0	0	0	0	0	0	0	0	0	34	164	238	436	145
113 scltp	sweet corn-Luscious-trnsplant	0	0	0	0	0	0	0	0	0	0	0	25	34	129	188	63
114 scsds	sweet corn-Sug. Pearl-dir. seed	0	0	0	0	0	0	0	0	0	0	0	21	60	146	227	76
115 scstp	sweet corn-Sug. Pearl-trnsplant	0	0	0	0	0	0	0	0	0	0	0	25	40	114	179	60
116 scfds	sweet corn-4001-dir. seed	0	0	0	0	0	0	0	0	0	0	0	50	578	248	876	292
117 sckds	sweet corn-Kokanee-dir. seed	0	0	0	0	0	0	0	0	0	0	0	16	100	168	284	95
118 tbb	tomato-Big Beef	0	0	0	0	0	0	0	0	0	0	0	242	227	164	633	211
119 tir	tomato-Indigo Rose	0	0	0	0	0	0	0	0	0	0	0	67	123	124	314	105
120 tmo	tomato-Monica	0	0	0	0	0	0	0	0	0	0	0	38	49	39	126	42
121 tng	tomato-New Girl	0	0	0	0	0	0	0	0	0	0	0	78	115	63	256	85
122 brl	Barley	0	10	20	10	7	110	56	103	151	95	54	32	61	54	1,081	54
123 chk	ChickPea Desi intrmd grwth	0	25	3	5	5	5	14	65	124	112	6	10	4	14	475	24
124 cnl	Canola-Argentine	0	5	9	12	11	107	12	101	135	66	18	9	4	11	802	42
125 cnp	Canola-Polish indet. growth	0	1	5	5	5	14	10	86	108	37	8	6	5	5	365	19
126 cnr	Canary	0	1	1	1	6	24	7	63	76	22	7	4	3	4	342	20
127 flx	Flax	0	0	0	7	6	36	5	59	102	95	16	37	13	6	482	28
128 lnt	Lentil-intermed grwth chars	0	3	1	5	1	25	8	68	100	69	36	7	4	12	438	24
129 msj	Mustard-Brwn+Orntl indgrwth	0	0	2	4	1	1	10	62	83	55	11	7	2	6	322	17
130 msy	Mustard-Yellow indet grwth	0	3	1	2	1	6	24	66	89	60	5	9	2	8	374	19
131 oat	Oat	0	1	2	5	1	127	26	131	87	56	18	8	16	19	818	41
132 pea	Pea (yellow)	0	1	2	5	7	193	413	644	122	83	75	24	27	58	2,937	147
133 saf	Safflower (Saffire)	0	51	3	9	2	0	6	58	96	106	118	2	11	18	572	32
134 snf	Sunflower early maturing only	0	2	4	3	6	8	42	86	114	117	18	85	5	125	768	38
135 whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	17	149	94	217	221	60	30	41	966	97
136 whr	Wheat R	0	27	25	63	33	290	133	269	153	162	126	48	58	55	2,403	120
137 wht	winter wheat	40	94	36	73	108	382	186	543	266	452	322	233	137	287	5,018	228
																Totals	Avg/yr yrs avail
Totals:		5,714	10,798	13,023	11,071	16,013	28,077	36,833	61,101	76,522	69,559	83,961	68,673	62,044	65,792	814,001	37,000
Count # phenology models		27	42	48	52	57	66	77	81	102	112	115	130	137	137	137	

Totals by model type:	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	2021	Totals	Avg/yr yrs avail
Total DD Calculator Runs	3,219	5,697	7,536	6,836	10,007	10,520	11,559	12,884	28,784	28,822	32,453	30,941	35,913	31,108	340,119	15,460
Total Insect Models	1,974	3,636	3,886	3,078	4,091	13,520	20,345	39,581	40,626	34,201	46,390	32,724	20,602	28,954	387,194	17,600
Total Plant Disease DD Models	401	1,141	1,151	530	1,060	2,075	3,184	5,096	2,844	2,652	2,511	2,194	1,781	1,639	45,268	2,058
Total Weed Models	46	21	60	69	38	293	382	391	589	427	252	160	199	265	4,874	232
Total CROPTIME veg. Models	34	79	276	349	617	341	394	596	1,779	1,653	1,269	1,956	3,076	3,016	18,061	821
Total Agronomic crop models	40	224	114	209	200	1,328	969	2,553	1,900	1,804	1,059	581	382	723	18,163	826
Total All Models	5,714	10,798	13,023	11,071	16,013	28,077	36,833	61,101	76,522	69,559	83,961	68,673	62,044	65,792	814,001	37,000

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

	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	2021	Totals
uspest.org/push (email notification service)	0	0	0	0	0	0	0	0	0	0	0	0	0	608	608
uspest.org/dd/mod_app (mobile app)	0	0	0	0	0	0	0	0	0	0	0	2950	15266	16789	35005
uspest.org/dd/model (multi start-dates)	0	0	0	0	0	0	0	1	5534	10668	10764	15636	4857	3806	51286
uspest.org/cgi-bin/ddmodel.us (legacy)	4576	8401	7756	7499	9953	8635	9417	12186	15982	16380	15715	18728	15893	12891	225001
uspest.org/risk/models (MyPest Page)	0	0	0	0	0	5408	11943	12549	18207	25605	18341	15296	15697	25414	192404
uspest.org/cgi-bin/glinks (map access)	0	238	784	1112	2441	3089	2131	1411	2082	2312	2937	2450	2259	2164	38569
index State Network pages	17	180	1555	575	2273	4001	3696	2570	1494	2340	1823	1886	1904	1761	47278
direct run from google	0	2	0	0	0	5	61	51	49	76	85	173	102	9	710
uspest.org/cgi-bin/sdb/viewdb (model data)	0	0	0	0	0	0	106	174	860	638	629	148	942	830	4570
Totals (note not all interfaces are logged)	4,593	8,821	10,095	9,186	14,667	21,138	27,354	28,942	44,208	58,019	50,294	57,267	56,920	64,272	595,431