

IPPC uspest.org/cgi-bin/ddmodel.us phenology model/degree-day calculator usage (2001 NA, 2003 & 2005 not shown)

Abv	Species	1999	2000	2002	2004	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
aaa	degree-day calculator	454	3219	5697	7536	6836	6358	10007	10277	10520	18227	11559	10511	12884	25702	152,098
acp	asian citrus psyllid	0	0	0	0	0	0	0	0	0	0	0	244	450	412	1,106
am1	apple maggot 1st emerge	0	0	0	36	76	57	56	68	445	541	311	369	528	324	2,883
am2	apple maggot percent emerge	0	0	0	14	20	19	15	31	62	140	155	159	252	216	1,122
asc	apple scab	11	101	135	76	121	110	184	137	868	1044	889	1609	2041	1343	8,879
asp	pear scab infection season	0	0	355	315	146	114	102	140	285	347	453	381	553	314	4,107
aw1	alfalfa weevil #1	0	0	0	0	0	0	0	0	0	0	0	0	0	155	155
baw	bertha armyworm	3	5	7	9	10	4	7	4	208	119	165	129	227	133	1,040
bcw	black cutworm	1	15	7	10	27	5	18	21	294	463	295	454	599	486	2,710
bms	brown marmorated stink bug	0	0	0	0	0	0	0	0	0	263	351	465	380	468	1,927
bra	broccoli-Arcadia	0	0	0	0	0	0	0	0	0	0	0	0	0	45	45
brg	broccoli-Green Magic	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20
brl	Barley	0	0	10	20	10	6	7	23	110	37	56	162	103	64	634
cbl	cabbage looper	6	3	6	17	73	11	21	22	180	159	157	285	304	115	1,398
cew	corn earworm	19	16	70	30	103	17	42	29	151	270	262	391	432	338	2,221
cf2	west. cherry fruit fly v2	0	0	0	0	2	102	217	170	302	551	649	403	828	346	3,573
cff	western cherry fruit fly	5	120	160	223	244	224	189	172	285	399	353	544	690	356	4,362
chk	ChickPea Desi intrmd grwth	0	0	25	3	5	1	5	5	5	3	14	23	65	43	205
cl2	codling moth v2	0	0	0	0	0	616	530	484	880	1179	678	412	623	561	5,963
cl3	codling moth no biofix	0	0	0	0	0	0	0	399	1443	1749	1757	1861	2543	1496	11,248
clb	cereal leaf beetle	0	0	0	0	0	0	0	0	347	685	165	253	470	552	2,472
clm	codling moth	83	1123	1903	2346	1755	2490	2110	1690	2972	2557	3128	2773	3145	2193	34,033
cm1	cabbage maggot	0	0	0	0	10	53	62	72	291	1280	1054	1550	1517	747	6,636
cnl	Canola-Argeni	0	0	5	9	12	7	11	11	107	6	12	104	101	165	559
cnp	Canola-Polish indet. growth	0	0	1	5	5	1	5	0	14	3	10	19	86	44	196
cnr	Canary	0	0	1	1	1	0	6	1	24	20	7	66	63	36	226
db	downy brome	0	46	21	54	63	42	27	34	288	759	320	281	298	155	2,450
dnm	Douglas-fir needle midge	0	0	0	0	0	0	0	0	0	60	219	473	371	353	1,476
eab	emerald ash borer	0	0	0	0	0	0	0	6	257	432	253	516	498	592	2,554
eb1	early blight of potato	0	0	0	0	0	0	0	0	0	2022	945	1340	1299	590	6,196
egm	european grapevine moth	0	0	0	0	0	0	0	0	79	859	733	1105	1170	616	4,562
eps	european pine shoot moth	2	68	39	135	91	77	71	107	57	132	105	322	400	394	2,297
fb1	Fenders blue butterfly	0	0	0	0	0	0	0	0	0	0	236	116	270	61	683
fbl	cougarblight (fire blight)	17	300	651	760	263	650	774	562	774	695	505	1019	915	570	10,122
fbw	filbertworm	25	119	120	159	119	160	143	172	567	528	434	402	412	310	3,982
fix	Flax	0	0	0	0	7	0	6	1	36	2	5	50	59	42	213
ftl	fruittree leafroller	0	0	0	0	0	0	0	2	17	46	15	367	892	505	1,844
gca	Galerucella californiensis	0	0	0	0	0	0	0	0	0	0	0	584	361	88	1,033
gm1	gypsy moth egg hatch	0	0	0	0	0	0	9	3	12	103	111	161	108	80	587
gm2	gypsy moth larvae & pupae	0	0	0	0	0	0	14	14	13	96	136	148	61	51	533
gm3	gypsy moth Sheehan-simplified	0	0	0	0	0	0	0	35	475	1133	1194	1516	1968	1848	8,169
hdm	hop downy mildew	0	0	0	0	0	0	0	0	148	1060	392	57	236	185	2,078
ism	isomate-c+	3	25	14	12	5	7	7	4	20	4	97	21	57	65	359
jpb	Japanese beetle	0	0	0	0	0	0	0	0	0	0	0	0	0	481	481
lba	Light brown apple moth	0	0	0	0	0	0	0	0	0	0	72	182	272	288	814
lnt	Lentil-intermed grwth chars	0	0	3	1	5	0	1	16	25	6	8	17	68	57	210
lsu	lacanobia fruitworm	0	0	0	0	4	2	2	0	9	22	9	84	63	38	234
lyg	Lygus bug [alfalfa seed]	0	0	106	64	80	61	141	201	227	281	177	245	357	329	2,484
mfb	mint flea beetle	0	7	23	29	23	17	33	11	91	57	85	131	137	80	803
mmb	mummy berry infection season	0	0	0	0	0	0	0	0	0	0	0	0	52	213	265
moc	Metaseiulus occidentalis	0	5	0	0	17	0	2	0	18	3	6	17	75	47	194
mr1	mint root borer	0	8	14	22	15	4	20	14	65	242	202	209	288	206	1,321
msj	Mustard-Brwn+Orntl indgrwth	0	0	0	2	4	10	1	2	1	3	10	15	62	46	158
msy	Mustard-Yellow indet grwth	0	0	3	1	2	3	1	10	6	3	24	19	66	55	201
nfa	Neoseiulus fallacis	0	12	7	6	4	6	3	0	11	14	15	67	78	51	285
oat	Oat	0	0	1	2	5	12	1	3	127	77	26	168	131	51	614
ob2	obliquebanded leafroller no.2	15	108	613	271	121	54	67	49	270	390	245	270	544	312	3,760
obl	obliquebanded leafroller no.1	2	15	17	11	11	15	15	8	254	285	235	379	422	204	1,907
ofm	oriental fruit moth	0	0	0	22	14	10	25	26	80	90	188	229	284	176	1,152
olt	omnivorous leaftier	0	0	0	0	0	0	0	0	0	0	345	611	548	299	1,803
otc	orange tortrix (cold winter)	1	17	3	98	34	15	17	21	16	33	8	86	115	78	561
otm	orange tortrix (mild winter)	1	11	47	48	70	62	53	204	288	256	536	289	3623	2038	7,601

pbo	pink bollworm	0	0	0	0	0	0	0	0	0	0	0	0	31	31	
pcb	pecan nut casebearer	0	0	0	0	0	0	0	9	163	119	12	72	82	206	663
pea	Pea (yellow)	0	0	1	2	5	1	7	25	193	196	413	512	644	542	2,548
plr	Pandemis leafroller	0	53	29	3	4	3	6	3	66	9	25	76	76	71	436
psb	pine shoot beetle	0	0	0	0	0	0	0	0	0	26	60	221	233	321	861
ptb	peach twig borer	0	0	0	0	0	0	46	36	127	84	105	209	220	160	987
saf	Safflower (Saffire)	0	0	51	3	9	10	2	0	0	15	6	18	58	43	221
sbr	small broomrape	0	0	0	6	6	33	11	14	5	116	62	65	93	102	532
scn	sweet corn	22	34	79	276	349	219	617	183	341	422	394	781	596	362	5,239
sjs	San Jose scale	9	195	328	205	41	50	73	196	112	121	94	126	183	107	2,021
snf	Sunflower early maturing only	0	0	2	4	3	6	6	4	8	25	42	46	86	69	304
srm	sugarbeet root maggot	0	0	70	47	56	8	12	27	45	37	52	125	168	63	813
srw	strawberry root weevil	20	38	39	39	21	47	13	21	39	86	144	143	158	120	1,029
srx	strawberry root weevil (mint)	0	0	0	13	20	34	33	11	179	677	125	185	132	143	1,578
ssw	sunflower stem weevil	0	0	0	0	0	0	0	0	0	30	16	99	78	62	285
swd	spotted wing Drosophila	0	0	0	0	0	0	0	0	1808	3511	3125	5319	9660	8767	32,190
sww	testng spot wing Dros newver	0	0	0	0	0	0	0	0	0	0	0	0	83	94	177
sw1	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	0	0	126	107	118	27	33	411
swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	0	0	0	0	116	139	97	352
vcw	variegated cutworm	3	11	13	14	8	8	7	3	96	497	293	429	561	332	2,288
wbc	western bean cutworm	0	0	0	0	0	0	0	0	103	198	138	298	254	183	1,174
wft	western flower thrips	0	0	0	0	0	0	0	0	442	1029	1214	1280	787		4,752
whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	0	0	0	17	75	149	62		303
whf	walnut husk fly	0	0	0	0	0	0	12	13	96	55	50	127	145	77	575
whr	Wheat R	0	0	27	25	63	15	33	38	290	538	133	132	269	111	1,801
wht	winter wheat	8	40	94	36	73	27	108	198	382	730	186	411	543	318	3,321
Abv	Species	1999	2000	2002	2004	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
	Totals:	710	5714	10797	13020	11071	11863	16013	16042	28077	47795	36999	45580	61361	61491	388,696