

IPPC uspest.org/cgi-bin/ddmodel.us and /dd/model Phenology model/degree-day calculator usage (2001 NA, 2003, 2005, 2007 & 2009 not shown)

Abv	Species	1999	2000	2002	2004	2006	2008	2010	2011	2012	2013	2014	2015	2016	Total
aaa	degree-day calculator	454	3219	5697	7536	6836	10007	10520	18227	11559	10511	12884	25702	33815	185913
acp	asian citrus psyllid	0	0	0	0	0	0	0	0	0	244	450	412	311	1417
am1	apple maggot 1st emerge	0	0	0	36	76	56	445	541	311	369	528	324	322	3205
am2	apple maggot percent emerge	0	0	0	14	20	15	62	140	155	159	252	216	174	1296
asc	apple scab	11	101	135	76	121	184	868	1044	889	1609	2041	1343	1075	9954
asp	pear scab infection season	0	0	355	315	146	102	285	347	453	381	553	314	261	4368
aw1	alfalfa weevil #1	0	0	0	0	0	0	0	0	0	0	0	155	294	449
baw	bertha armyworm	3	5	7	9	10	7	208	119	165	129	227	133	137	1177
bcw	black cutworm	1	15	7	10	27	18	294	463	295	454	599	486	249	2959
bms	brown marmorated stink bug	0	0	0	0	0	0	0	263	351	465	380	468	309	2236
bra	broccoli-Arcadia	0	0	0	0	0	0	0	0	0	0	0	45	438	483
bre	broccoli-Emerald Pride	0	0	0	0	0	0	0	0	0	0	0	0	189	191
brg	broccoli-Green Magic	0	0	0	0	0	0	0	0	0	0	0	20	254	274
bri	broccoli-Imperial	0	0	0	0	0	0	0	0	0	0	0	6	98	104
brl	Barley	0	0	10	20	10	7	110	37	56	162	103	64	151	785
cbl	cabbage looper	6	3	6	17	73	21	180	159	157	285	304	115	140	1538
cew	corn earworm	19	16	70	30	103	42	151	270	262	391	432	338	248	2469
cf2	west. cherry fruit fly v2	0	0	0	0	2	217	302	551	649	403	828	346	1888	5461
cff	western cherry fruit fly	5	120	160	223	244	189	285	399	353	544	690	356	289	4651
chk	ChickPea Desi intrmd grwth	0	0	25	3	5	5	5	3	14	23	65	43	124	329
cl2	codling moth v2	0	0	0	0	0	530	880	1179	678	412	623	561	2086	8049
cl3	codling moth no biofix	0	0	0	0	0	0	1443	1749	1757	1861	2543	1496	1110	12358
clb	cereal leaf beetle	0	0	0	0	0	0	347	685	165	253	470	552	233	2705
clm	codling moth	83	1123	1903	2346	1755	2110	2972	2557	3128	2773	3145	2193	3436	37469
cm1	cabbage maggot	0	0	0	0	10	62	291	1280	1054	1550	1517	747	190	6826
cmds	cucumber-Mkmore 76 (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	79	79
cnl	Canola-Argentine	0	0	5	9	12	11	107	6	12	104	101	165	136	695
cnp	Canola-Polish indet. growth	0	0	1	5	5	5	14	3	10	19	86	44	107	303
cnr	Canary	0	0	1	1	1	6	24	20	7	66	63	36	76	302
cuco	cucumber-Cobra (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	76	76
cmtp	cucumber-Mkmore 76 (trnsplant)	0	0	0	0	0	0	0	0	0	0	0	0	118	118
cuda	cucumber-Dasher II (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	32	32
cuza	cucumber-Zapata (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	37	37
cuex	cucumber-Extreme (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	29	29
cusu	cucumber-Supremo (dir. seed)	0	0	0	0	0	0	0	0	0	0	0	0	17	17
db	downy brome	0	46	21	54	63	27	288	759	320	281	298	155	197	2647

dnm	Douglas-fir needle midge	0	0	0	0	0	0	0	60	219	473	371	353	180	1656
eab	emerald ash borer	0	0	0	0	0	0	257	432	253	516	498	592	387	2941
ebl	early blight of potato	0	0	0	0	0	0	0	2022	945	1340	1299	590	189	6385
egm	european grapevine moth	0	0	0	0	0	0	79	859	733	1105	1170	616	398	4960
eps	european pine shoot moth	2	68	39	135	91	71	57	132	105	322	400	394	144	2441
fbf	Fenders blue butterfly	0	0	0	0	0	0	0	0	236	116	270	61	167	850
fbl	cougarblight (fire blight)	17	300	651	760	263	774	774	695	505	1019	915	570	952	11074
fbw	filbertworm	25	119	120	159	119	143	567	528	434	402	412	310	488	4470
flx	Flax	0	0	0	0	7	6	36	2	5	50	59	42	102	315
ftl	fruittree leafroller	0	0	0	0	0	0	17	46	15	367	892	505	271	2115
gca	Galerucella californiensis	0	0	0	0	0	0	0	0	0	584	361	88	188	1221
gm1	gypsy moth egg hatch	0	0	0	0	0	9	12	103	111	161	108	80	139	726
gm2	gypsy moth larvae & pupae	0	0	0	0	0	14	13	96	136	148	61	51	92	625
gm3	gypsy moth Sheehan-simplified	0	0	0	0	0	0	475	1133	1194	1516	1968	1848	1529	9698
hdm	hop downy mildew	0	0	0	0	0	0	148	1060	392	57	236	185	288	2366
hns	hairy nightshade	0	0	0	0	0	0	0	0	0	0	0	0	148	148
ism	isomate-c+	3	25	14	12	5	7	20	4	97	21	57	65	122	481
jpb	Japanese beetle	0	0	0	0	0	0	0	0	0	0	0	481	203	684
jpsb	Japanese pine sawyer beetle	0	0	0	0	0	0	0	0	0	0	0	0	108	108
lba	Light brown apple moth	0	0	0	0	0	0	0	0	72	182	272	288	128	942
lbq	Lambsquarter	0	0	0	0	0	0	0	0	0	0	0	0	45	45
lnt	Lentil-intermed grwth chars	0	0	3	1	5	1	25	6	8	17	68	57	100	310
lsu	lacanobia fruitworm	0	0	0	0	4	2	9	22	9	84	63	38	102	336
lyg	Lygus bug [alfalfa seed]	0	0	106	64	80	141	227	281	177	245	357	329	288	2772
mfb	mint flea beetle	0	7	23	29	23	33	91	57	85	131	137	80	118	921
mmb	mummy berry infection season	0	0	0	0	0	0	0	0	0	0	52	213	78	343
moc	Metaseiulus occidentalis	0	5	0	0	17	2	18	3	6	17	75	47	103	297
mrp	mint root borer	0	8	14	22	15	20	65	242	202	209	288	206	532	1853
msj	Mustard-Brwn+Orntl indgrwth	0	0	0	2	4	1	1	3	10	15	62	46	83	241
msy	Mustard-Yellow indet grwth	0	0	3	1	2	1	6	3	24	19	66	55	89	290
nfa	Neoseiulus fallacis	0	12	7	6	4	3	11	14	15	67	78	51	76	361
oab	Oak ambrosia beetle	0	0	0	0	0	0	0	0	0	0	0	0	83	83
oat	Oat	0	0	1	2	5	1	127	77	26	168	131	51	87	701
ob2	obliquebanded leafroller no.2	15	108	613	271	121	67	270	390	245	270	544	312	1801	5561
obl	obliquebanded leafroller no.1	2	15	17	11	11	15	254	285	235	379	422	204	143	2050
ofm	oriental fruit moth	0	0	0	22	14	25	80	90	188	229	284	176	1763	2915
olt	omnivorous leaftier	0	0	0	0	0	0	0	0	345	611	548	299	163	1966
otc	orange tortrix (cold winter)	1	17	3	98	34	17	16	33	8	86	115	78	104	665

otm	orange tortrix (mild winter)	1	11	47	48	70	53	288	256	536	289	3623	2038	1507	9108
pbo	pink bollworm	0	0	0	0	0	0	0	0	0	0	0	31	78	109
pcb	pecan nut casebearer	0	0	0	0	0	0	163	119	12	72	82	206	96	759
pea	Pea (yellow)	0	0	1	2	5	7	193	196	413	512	644	542	122	2670
plr	Pandemis leafroller	0	53	29	3	4	6	66	9	25	76	76	71	1641	2077
psb	pine shoot beetle	0	0	0	0	0	0	0	26	60	221	233	321	95	956
ptb	peach twig borer	0	0	0	0	0	46	127	84	105	209	220	160	1733	2720
ptlm	pine tree lappet moth	0	0	0	0	0	0	0	0	0	0	0	0	73	73
rpw	redroot pigweed	0	0	0	0	0	0	0	0	0	0	0	0	70	70
saf	Safflower (Saffire)	0	0	51	3	9	2	0	15	6	18	58	43	96	317
sbr	small broomrape	0	0	0	6	6	11	5	116	62	65	93	102	128	660
scn	sweet corn	22	34	79	276	349	617	341	422	394	781	596	362	410	5649
sjc	San Jose scale	9	195	328	205	41	73	112	121	94	126	183	107	1650	3671
snf	Sunflower early maturing only	0	0	2	4	3	6	8	25	42	46	86	69	114	418
srn	sugarbeet root maggot	0	0	70	47	56	12	45	37	52	125	168	63	171	984
srw	strawberry root weevil	20	38	39	39	21	13	39	86	144	143	158	120	145	1174
srx	strawberry root weevil (mint)	0	0	0	13	20	33	179	677	125	185	132	143	145	1723
ssw	sunflower stem weevil	0	0	0	0	0	0	0	30	16	99	78	62	112	397
swd	spotted wing Drosophila	0	0	0	0	0	0	1808	3511	3125	5319	9660	8767	10450	42640
sww	testng spot wing Dros newer	0	0	0	0	0	0	0	0	0	0	83	94	80	257
sw1	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	126	107	118	27	33	8	419
swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	0	0	116	139	97	228	580
tcah	threecornered alfalfa hopper	0	0	0	0	0	0	0	0	0	0	0	0	16	16
vcw	variegated cutworm	3	11	13	14	8	7	96	497	293	429	561	332	273	2561
wbc	western bean cutworm	0	0	0	0	0	0	103	198	138	298	254	183	162	1336
wft	western flower thrips	0	0	0	0	0	0	0	442	1029	1214	1280	787	684	5436
whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	0	0	17	75	149	62	94	397
whf	walnut husk fly	0	0	0	0	0	12	96	55	50	127	145	77	125	700
whr	Wheat R	0	0	27	25	63	33	290	538	133	132	269	111	153	1954
wht	winter wheat	8	40	94	36	73	108	382	730	186	411	543	318	266	3587
Abv	Species	1999	2000	2002	2004	2006	2008	2010	2011	2012	2013	2014	2015	2016	Total
	Totals:	710	5714	10797	13020	11071	16013	28077	47795	36999	45580	61361	61497	81631	470335