

Oregon IPM Center - USPEST.ORG web-based DD Model/calculator usage by species - Jan 12, 2023 (odd years before 2016 not shown)

Model/calculator usage by species (grouped by type: pests, invasive, beneficials, crops, etc.)

Abbrev	Species	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	2021	2022	Totals	Totals for yrs avail
aaa	degree-day calculator	3219	5697	7536	6836	10007	10520	11559	12884	28784	28822	32453	30941	35913	31108	30334	370453	16,107
aats	T-Sum 200 N fertilization	0	0	0	0	0	0	0	0	0	0	27	117	91	87	105	427	85
acp	asian citrus psyllid	0	0	0	0	0	0	0	450	311	827	151	266	172	288	93	3,214	321
alb	asian longhorned beetle	0	0	0	0	0	0	1	0	0	119	85	173	112	183	121	800	100
am1	apple maggot 1st emerge	0	0	36	76	56	445	311	528	322	403	261	332	416	491	1463	6,571	346
am2	apple maggot percent emerge	0	0	14	20	15	62	155	252	174	150	139	177	221	359	908	3,250	171
aw1	alfalfa weevil #1	0	0	0	0	0	0	0	0	294	361	177	372	282	399	659	2,699	337
baw	bertha armyworm	5	7	9	10	7	208	165	227	137	69	48	24	46	91	4192	5,647	246
bbb	bronze birch borer	0	0	0	0	0	0	0	0	0	0	0	314	196	96	777	1,383	346
bcw	black cutworm	15	7	10	27	18	294	295	599	250	225	121	250	145	279	536	4,516	196
bms	brown marmorated stink bug	0	0	0	0	0	0	351	380	309	562	170	318	243	477	1853	5,859	488
cbl	cabbage looper	3	6	17	73	21	180	157	304	140	132	73	86	57	128	282	2,296	100
cew	corn earworm	16	70	30	103	42	151	262	432	248	269	112	340	121	265	467	4,043	176
cf2	west. cherry fruit fly v2	0	0	0	2	217	302	649	828	1888	1227	3168	1096	496	932	807	13,187	733
cff	western cherry fruit fly	120	160	223	244	189	285	353	690	289	341	133	141	202	252	195	5,915	257
clm	codling moth	1123	1903	2346	1755	2110	2972	3128	3145	3435	2710	4690	2307	2606	3305	4035	57,121	2,484
cl2	codling moth v2	0	0	0	0	530	880	678	623	2086	1572	3539	1780	1346	1937	1959	20,182	1,261
cl3	codling moth no biofix	0	0	0	0	0	1443	1757	2543	1108	1288	982	1225	1725	1949	1760	21,285	1,520
clb	cereal leaf beetle	0	0	0	0	0	347	165	470	233	314	130	269	49	67	256	3,790	292
cm1	cabbage maggot	0	0	0	10	62	291	1054	1517	190	354	104	302	230	309	207	8,332	490
cpyr	Pear psylla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	732	732	732
dnm	Douglas-fir needle midge	0	0	0	0	0	0	219	371	180	119	76	149	101	48	117	2,266	189
eab	emerald ash borer	0	0	0	0	0	257	253	498	387	603	360	1405	447	418	899	7,073	505
egm	european grapevine moth	0	0	0	0	0	79	733	1170	398	337	298	401	81	193	114	6,384	491
eps	european pine shoot moth	68	39	135	91	71	57	105	400	145	212	97	263	97	172	492	3,775	164
fbw	filbertworm	119	120	159	119	143	567	434	412	488	399	270	279	381	351	796	6,946	302
ftl	fruittree leafroller	0	0	0	0	0	17	15	892	272	229	136	110	139	101	96	2,927	209
gm1	gypsy moth egg hatch	0	0	0	0	9	12	111	108	139	114	36	64	32	68	282	1,322	88
gm2	gypsy moth larvae & pupae	0	0	0	0	14	13	136	61	91	135	14	51	46	118	64	1,052	70
gm3	gypsy moth Sheehan-simplified	0	0	0	0	0	475	1194	1968	1529	1854	1733	4757	1963	1855	1455	23,315	1,665
ism	isomate-c+	25	14	12	5	7	20	97	57	122	40	8	104	18	8	94	753	33
jft	Japanese flower thrips	0	0	0	0	0	0	0	0	0	61	85	143	32	174	38	533	89
jpb	Japanese beetle	0	0	0	0	0	0	0	0	203	331	355	444	369	339	1088	3,610	451
lsu	Lacania fruitworm	0	0	0	4	2	9	9	63	102	88	10	2	7	100	227	770	45
lyg	Lygus bug [alfalfa seed]	0	106	64	80	141	227	177	357	288	554	372	434	260	251	578	5,221	249
mfb	mint flea beetle	7	23	29	23	33	91	85	137	119	101	25	18	19	22	46	1,153	52
mrb	mint root borer	8	14	22	15	20	65	202	288	532	162	94	292	169	151	134	2,855	130
ob2	obliquebanded leafroller no.2	108	613	271	121	67	270	245	544	1802	1430	3016	1010	442	751	794	13,005	565
obl	obliquebanded leafroller no.1	15	17	11	11	15	254	235	422	143	127	75	80	46	123	236	2,737	119
ofm	oriental fruit moth	0	0	22	14	25	80	188	284	1763	1254	3031	887	498	816	1117	10,518	526
olt	omnivorous leaftier	0	0	0	0	0	0	345	548	162	125	107	183	84	135	313	2,912	265
otc	orange tortrix (cold winter)	17	3	98	34	17	16	8	115	104	126	25	4	6	6	126	958	42
otm	orange tortrix (mild winter)	11	47	48	70	53	288	536	3623	1511	3174	6371	3305	2238	2867	1795	28,862	1,255

pbo	pink bollworm	0	0	0	0	0	0	0	0	78	46	34	5	4	8	83	289	36
pcb	pecan nut casebearer	0	0	0	0	0	163	12	82	96	221	59	142	25	139	32	1,377	98
plr	Pandemis leafroller	53	29	3	4	6	66	25	76	1641	1106	2697	742	292	590	1187	8,691	395
ppsy	potato psyllid	0	0	0	0	0	0	0	0	0	180	57	162	16	107	132	654	109
ptb	peach twig borer	0	0	0	0	46	127	105	220	1733	1246	3021	1002	432	691	711	9,823	655
scmg	seedcorn maggot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	171	171	171
sjs	San Jose scale	195	328	205	41	73	112	94	183	1650	1231	3001	981	451	697	1200	11,232	488
srn	sugarbeet root maggot	0	70	47	56	12	45	52	168	171	122	42	23	33	20	25	1,249	59
srw	strawberry root weevil	38	39	39	21	13	39	144	158	145	88	28	20	21	27	128	1,486	65
srx	strawberry root weevil (mint)	0	0	13	20	33	179	125	132	145	264	40	32	27	51	303	2,440	128
ssw	sunflower stem weevil	0	0	0	0	0	0	16	78	112	133	56	101	8	96	9	800	67
swd	spotted wing Drosophila	0	0	0	0	0	1808	3125	9660	10464	3284	4330	1709	1021	1687	1660	56,345	4,334
sww	testng spot wing Dros new	0	0	0	0	0	0	0	83	80	183	47	10	11	18	8	534	59
swo	spot. wing Dros. OW Mortal.	0	0	0	0	0	0	0	139	228	184	69	37	18	53	42	983	98
tcah	threecornered alfalfa hopper	0	0	0	0	0	0	0	0	16	364	240	277	77	159	35	1,168	167
vcw	variegated cutworm	11	13	14	8	7	96	293	561	274	224	139	317	155	276	538	4,211	183
wbc	western bean cutworm	0	0	0	0	0	103	138	254	163	255	64	131	35	156	56	2,034	156
wft	western flower thrips	0	0	0	0	0	0	1029	1280	684	920	630	817	670	629	679	9,781	815
whf	walnut husk fly	0	0	0	0	12	96	50	145	125	192	140	52	88	58	25	1,255	84
asrb	asiatic rice borer	0	0	0	0	0	0	0	0	0	0	0	0	33	96	36	165	55
cgn	honeydew moth Crypt. gnidiella	0	0	0	0	0	0	0	0	0	0	0	11	28	102	26	167	42
ecw	egyptian cottonworm	0	0	0	0	0	0	0	0	0	0	0	0	36	106	56	198	66
fcm	false codling moth	0	0	0	0	0	0	0	0	0	0	0	50	43	84	20	197	49
jpsb	Japanese pine sawyer beetle	0	0	0	0	0	0	0	0	108	222	48	132	57	104	26	697	100
lba	light brown apple moth	0	0	0	0	0	0	72	272	128	231	93	149	126	100	48	1,689	154
oab	oak ambrosia beetle	0	0	0	0	0	0	0	0	83	164	73	223	71	104	147	865	124
owbw	old world bollworm (H armig.)	0	0	0	0	0	0	0	0	0	0	81	170	46	227	91	615	123
ppsb	pine shoot beetle	0	0	0	0	0	0	0	0	0	0	0	61	38	159	31	289	72
ptlm	pine tree lappet moth	0	0	0	0	0	0	0	0	74	208	80	140	67	103	27	699	100
sli	Spodoptera litura com cutworm	0	1	3	0	0	0	0	0	0	32	81	186	40	197	24	571	57
slym	Autographa gamma silver Y mot	0	0	0	0	0	0	0	0	0	0	0	0	33	126	83	242	81
stb	small tomato borer	0	0	0	0	0	0	0	0	0	0	49	199	72	108	20	448	90
sunp	sunn pest (E. integriceps)	0	0	0	0	0	0	0	0	0	0	0	0	7	89	35	131	44
tabs	tomato leafminer (T. absoluta)	0	0	0	0	0	0	0	0	0	0	0	5	66	147	52	270	68
dca	Diorhabda carinulata	0	0	0	0	0	0	0	0	0	200	167	556	262	648	677	2,510	418
fbf	Fenders blue butterfly	0	0	0	0	0	0	236	270	167	91	4	29	9	31	10	1,024	93
gca	Galerucella californiensis	0	0	0	0	0	0	0	361	188	112	301	71	6	29	261	2,001	200
jkp	Japanese knotweed psyllid	0	0	0	0	0	0	0	0	0	28	11	13	24	36	336	448	75
moc	Metaseiulus occidentalis	5	0	0	17	2	18	6	75	103	111	16	4	8	4	10	450	25
nfa	Neoseiulus fallacis	12	7	6	4	3	11	15	78	76	61	15	8	6	18	374	843	40
asc	apple scab infection season	101	135	76	121	184	868	889	2041	1077	1112	1148	1137	586	473	796	15,208	661
asp	pear scab infection season	0	355	315	146	102	285	453	553	261	322	302	230	261	238	206	5,927	282
ebf	early blight of potato	0	0	0	0	0	0	945	1299	189	288	71	142	127	179	184	7,376	615
fbf	cougarblight (fire blight)	300	651	760	263	774	774	505	915	951	587	720	540	648	452	428	14,448	628
hdm	hop downy mildew	0	0	0	0	0	148	392	236	288	274	231	110	110	131	1301	4,523	348
mmb	mummy berry infection season	0	0	0	0	0	0	0	52	78	69	39	35	49	166	345	1,046	116

db	downy brome	46	21	54	63	27	288	320	298	197	116	26	35	70	67	51	3,012	137
hns	hairy nightshade	0	0	0	0	0	0	0	0	149	78	29	23	10	32	27	348	50
lbq	lambsquarter	0	0	0	0	0	0	0	0	45	52	35	19	22	43	96	312	45
rpw	redroot pigweed	0	0	0	0	0	0	0	0	70	78	49	31	47	68	133	476	68
sbr	small broomrape	0	0	6	6	11	5	62	93	128	103	113	52	50	55	88	1,121	59
bnfs	bean (snap)-5630	0	0	0	0	0	0	0	0	0	0	0	0	67	138	272	477	159
bnpr	bean (snap)-Provider	0	0	0	0	0	0	0	0	0	0	0	0	94	94	305	493	164
bnsa	bean (snap)-Sahara	0	0	0	0	0	0	0	0	0	0	0	0	54	28	68	150	50
bra	broccoli-Arcadia	0	0	0	0	0	0	0	0	438	172	130	114	172	126	126	1,323	165
bre	broccoli-Emerald Pride	0	0	0	0	0	0	0	0	189	70	67	41	112	65	124	670	84
brg	broccoli-Green Magic	0	0	0	0	0	0	0	0	254	161	95	66	252	84	38	970	121
bri	broccoli-Imperial	0	0	0	0	0	0	0	0	98	140	60	50	96	48	56	554	69
cmds	cucumber-Mktdmore 76 (dir. seed	0	0	0	0	0	0	0	0	79	87	32	105	62	67	106	538	77
cuco	cucumber-Cobra (dir. seed)	0	0	0	0	0	0	0	0	76	57	56	53	69	79	123	513	73
cmtp	cucumber-Mktdmore 76 (trnsplant	0	0	0	0	0	0	0	0	119	44	84	30	35	34	37	383	55
cuda	cucumber-Dasher II (dir. seed)	0	0	0	0	0	0	0	0	33	67	30	31	11	15	37	224	32
cuza	cucumber-Zapata (dir. seed)	0	0	0	0	0	0	0	0	37	12	14	15	37	10	17	142	20
cuex	cucumber-Extreme (dir. seed)	0	0	0	0	0	0	0	0	29	60	44	39	9	9	9	199	28
cusu	cucumber-Supremo (dir. seed)	0	0	0	0	0	0	0	0	17	35	13	23	11	55	9	163	23
ppbk	pepper-Bell King	0	0	0	0	0	0	0	0	0	77	128	37	38	47	193	520	87
ppgg	pepper-Gatherers gold	0	0	0	0	0	0	0	0	0	24	9	44	16	50	44	187	31
ppka	pepper-King Arthur	0	0	0	0	0	0	0	0	0	22	41	45	23	26	46	203	34
ppsr	pepper-Stocky red roaster	0	0	0	0	0	0	0	0	0	26	22	19	77	53	41	238	40
scn	sweet corn-Jubilee-dir. seed	34	79	276	349	617	341	394	596	410	599	444	648	351	555	203	8,449	367
sclds	sweet corn-Luscious-dir. seed	0	0	0	0	0	0	0	0	0	0	0	34	164	238	154	590	148
scltp	sweet corn-Luscious-trnsplant	0	0	0	0	0	0	0	0	0	0	0	25	34	129	26	214	54
scsds	sweet corn-Sug. Pearl-dir. seed	0	0	0	0	0	0	0	0	0	0	0	21	60	146	28	255	64
scstp	sweet corn-Sug. Pearl-trnsplant	0	0	0	0	0	0	0	0	0	0	0	25	40	114	22	201	50
scfds	sweet corn-4001-dir. seed	0	0	0	0	0	0	0	0	0	0	0	50	578	248	48	924	231
sckds	sweet corn-Kokanee-dir. seed	0	0	0	0	0	0	0	0	0	0	0	16	100	168	33	317	79
tbb	tomato-Big Beef	0	0	0	0	0	0	0	0	0	0	0	242	227	164	303	936	234
tir	tomato-Indigo Rose	0	0	0	0	0	0	0	0	0	0	0	67	123	124	157	471	118
tmo	tomato-Monica	0	0	0	0	0	0	0	0	0	0	0	38	49	39	51	177	44
tng	tomato-New Girl	0	0	0	0	0	0	0	0	0	0	0	78	115	63	84	340	85
brl	Barley	0	10	20	10	7	110	56	103	151	95	54	32	61	54	272	1,353	64
chk	ChickPea Desi intrmd grwth	0	25	3	5	5	5	14	65	124	112	6	10	4	14	7	482	23
cnl	Canola-Argentine	0	5	9	12	11	107	12	101	135	66	18	9	4	11	11	813	41
cnp	Canola-Polish indet. growth	0	1	5	5	5	14	10	86	108	37	8	6	5	5	7	372	19
cnr	Canary	0	1	1	1	6	24	7	63	76	22	7	4	3	4	4	346	19
flx	Flax	0	0	0	7	6	36	5	59	102	95	16	37	13	6	6	488	27
lnt	Lentil-intermed grwth chars	0	3	1	5	1	25	8	68	100	69	36	7	4	12	6	444	23
msj	Mustard-Brwn+Orntl indgrwth	0	0	2	4	1	1	10	62	83	55	11	7	2	6	33	355	18
msy	Mustard-Yellow indet grwth	0	3	1	2	1	6	24	66	89	60	5	9	2	8	9	383	18
oat	Oat	0	1	2	5	1	127	26	131	87	56	18	8	16	19	33	851	41
pea	Pea (yellow)	0	1	2	5	7	193	413	644	122	83	75	24	27	58	43	2,980	142
saf	Safflower (Saffire)	0	51	3	9	2	0	6	58	96	106	118	2	11	18	10	582	31

snf	Sunflower early maturing only	0	2	4	3	6	8	42	86	114	117	18	85	5	125	15	783	37
whb	Wheat (Bauer spring wheat)	0	0	0	0	0	0	17	149	94	217	221	60	30	41	74	1,040	95
whr	Wheat R	0	27	25	63	33	290	133	269	153	162	126	48	58	55	329	2,732	130
wht	winter wheat	40	94	36	73	108	382	186	543	266	452	322	233	137	287	236	5,254	228
		<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>	<u>2021</u>	<u>2022</u>	Totals	Avg/yr
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	79,566	893,567	40,584
Count # phenology models		27	42	48	52	57	66	77	81	102	112	115	130	137	137	139	139	

Totals by model type:	<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>	<u>2021</u>	<u>2022</u>	Totals	Avg/yr
Total DD Calculator Runs	3219	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	30,334	370,453	16,107
Total Insect Models	1974	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	41,617	428,811	18,644
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	3,260	48,528	2,110
Total Weed Models	46	21	60	69	38	293	382	391	589	427	252	160	199	265	395	5,269	240
Total CROPTIME veg. Models	34	79	276	349	617	341	394	596	1,779	1,653	1,269	1,956	3,076	3,016	2,760	20,821	905
Total Agronomic crop models	40	224	114	209	200	1,328	969	2,553	1,900	1,804	1,059	581	382	723	1,095	19,258	837
Total All Models	5714	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	79,566	893,567	38,851

Interfaces used to run degree-day models:

Interface description	<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>	<u>2021</u>	<u>2022</u>	Totals
email push service	0	0	0	0	0	0	0	0	0	0	0	0	608	18863	19,471
dd/mod_app mobile app interface	0	0	0	0	0	0	0	0	0	0	2950	15266	16789	20603	55,608
dd/model multi start-date interface	0	0	0	0	0	0	1	5534	10668	10764	15636	4857	3806	4480	55,766
cgi-bin/ddmodel.us legacy interface	8401	7756	7499	9953	8635	9417	12186	15844	16380	15715	18728	15893	12891	11537	231,205
risk/models "MyPest Page" interface	0	0	0	0	5408	11943	12549	18206	25605	18341	15296	15697	25414	13845	206,248
cgi-bin/glinks (map) access interface	238	784	1112	2441	3089	2131	1411	2082	2312	2937	2450	2259	2164	2287	40,856
index State Network pages interface	180	1555	575	2273	4001	3696	2570	1494	2340	1823	1886	1904	1761	2962	50,223
direct run from google	2	0	0	0	5	61	51	49	76	85	173	102	9	52	762
viewdb species database page	0	0	0	0	0	106	174	860	638	629	148	942	830	2783	7,353
insects? pnw insect handbook interface	0	0	0	0	199	516	0	0	0	0	0	0	0	0	1,308
all other unspecified interfaces	2418	3334	2735	4434	11684	13621	39032	95135	81108	121043	49696	52914	73610	123314	771,641