

RESPIRATION RATES AT VARIOUS TEMPERATURES FOR VARIOUS CROPS

CROP	32° F	41° F	50° F	60° F	70° F	80° F
Asparagus	27-80	55-136	90-304	160-327	275-500	500-600
Beans, snap		20	35	58	93	130 193
Beans, lima	10-30	20-36	-	100-125	133-179	-
Beets, bunched		11	14	22	25	40 -
Beets, root	5-7	9-10	12-14	17-23	-	-
Blackberries	18-20	31-41		62	75	155 -
Blueberries	2-10	9-12	23-35	34-62	52-87	78-124
Broccoli	19-21	32-37	75-87	161-186	278-320	-
Beans, lima	10-30	22-48	63-84	64-136	86-190	-
Cabbage	4-6	9-12	19-19	20-32	28-49	49-63
Cantaloupe	5-6	9-10	14-16	34-39	45-65	62-71
Carrots, topped	10-020	13-26	20-42	26-54	46-95	-
Cauliflower	16-19	19-22	32-36	43-49	75-86	84-140
Celery	5-7	9-11		24 30-37		64 -
Corn, sweet	30-51	43- 83	104-120	151-1 75	268-311	282-435
Cucumbers	-	-	23-29	24-33	14-48	19-55
Endive		45	52	73	100	133 200
Garlic	4-14	9-33	9-10	14-29	13-25	-
kale	16-27	34-47	72-84	120-155	186-265	-
Leeks	10-20	20-29	50-70	75-117		110 107-119
Lettuce, leaf	19-27	24-35	32-46	51-74	82-119	120-173
Mushrooms	28-44		71	100 -	264-316	-
Onions, dry		3 3-4	7-8	10-11	14-19	27-29
Onions, green	10-32	17-39	36-62	66-115	79-178	98-210
Parsley	30-40	53-76	85-164	144-184	196-225	291-324
Peas, in pods	30-47	55-76	68-117	179-202	245-361	343-377
Peppers, bell	-		10	14	23	44 55
Potatoes, early	-		12 14-21	14-31	18-45	-
Potatoes, late	-	3-9	7-10	6-12	8-16	-
Radishes with tops	14-17	19-21	31-36	70-78	124-136	158-193
Raspberries	18-25	31-39	28-55	82-101	-	-
Rutabagas	2-6	5-10		15 11-28		41 -
Spinach	19-22	35-58	82-138	134-223	172-287	-
Squash, summer	12-13	14-19	34-36	75-90	85-97	-
Strawberries	12-18	16-23	49-95	71-92	102-196	169-211
Tomatoes, ripening	-	-	13-19	21-29	24-44	30-52
Turnips	6-9		10 13-19	21-24	24-25	-

Source of data: R.E. Hardenburg, formerly USDA, R.C. Wright and T.M. Whitman, formerly USDA, L.L. morris, Univ Davis

Low	Moderate	High	Extremely high
Apples	cabbages	Artichokes	Asparagus
garlic	carrots	brussels sprouts	broccoli
grapes	lettuce	cut flowers	mushrooms
onions	peppers	green onions	peas
potatoes (mature)	potatoes (immature)	snap beans	sweet corn
sweet potatoes	tomatoes	green onions	kale
turnips	celery		parsley
beets			spinach