

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

Apples
garlic
grapes
onions
potatoes (mature)
sweet potatoes
turnips
beets

Moderate

cabbages
carrots
lettuce
peppers
potatoes (immature)
tomatoes
celery

High

Artichokes
brussels sprouts
cut flowers
green onions
snap beans
green onions

Extremely high

Asparagus
broccoli
mushrooms
peas
sweet corn
kale
parsley
spinach