

ETHYLENE PRODUCTION / SENSITIVITY CHART

COMMODITY	RECOMMENDED TEMPERATURE SETTING		ETHYLENE PRODUCTION RATE	SENSITIVITY TO ETHYLENE ACTION
	C	F		
<u>FRESH FRUIT & VEG.</u>				
Apple (non-chilled)	1.1	30	VH	H
Apple (chilled)	4.4	40	VH	H
Apricot	-0.5	31	H	H
Artichoke - Globe / Jerusalem	0.0	32	VL	L
Asian Pear	1.1	34	H	H
Asparagus	2.2	36	VL	M <i>(Toughness)</i>
Avocado -California	3.3	38	H	H
-Tropical	10.0	50	H	H
Banana	14.4	58	M	H
Beans -Lima	0.0	32	L	M
-Snap / Green	7.2	45	L	M
Belgian Endive	2.2	36	VL	M
Berries -Blackberry	-0.5	31	L	L <i>(Mold)</i>
-Blueberry	-0.5	31	L	L <i>(Mold)</i>
-Cranberry	2.2	36	L	L <i>(Mold)</i>
-Currants	-0.5	31	L	L <i>(Mold)</i>
-Dewberry	-0.5	31	L	L <i>(Mold)</i>
-Elderberry	-0.5	31	L	L <i>(Mold)</i>
-Gooseberry	-0.5	31	L	L <i>(Mold)</i>
-Loganberry	-0.5	31	L	L <i>(Mold)</i>
-Raspberry	-0.5	31	L	L <i>(Mold)</i>
-Strawberry	-0.5	31	L	L <i>(Mold)</i>
Breadfruit	13.3	56	M	M
Broccoli	0.0	32	VL	H <i>(Yellowing)</i>
Brussel Sprouts	0.0	32	VL	H
Cabbage	0.0	32	VL	H
Cantaloupe	4.4	40	H	M
Cape Gooseberry	12.2	54	L	L
Carrots- topped	0.0	32	VL	L <i>(Bitterness)</i>
Casaba Melon	10.0	50	L	L
Cauliflower	0.0	32	VL	H
Celery	0.0	32	VL	M
Chard	0.0	32	VL	H
Cherimoya	12.8	55	VH	H
Cherry -Sour	-0.5	31	VL	L <i>(Softening)</i>
-Sweet	-1.1	30	VL	L <i>(Softening)</i>
Chicory	0.0	32	VL	H
Chinese Gooseberry	0.0	32	L	H
Collards	0.0	32	VL	M
Crenshaw Melon	10.0	50	M	H
Cucumbers	10.0	50	L	H <i>(Yellowing)</i>
Eggplant	10.0	50	L	L
Endive (Escarole)	0.0	32	VL	M
Feijoa	5.0	41	M	L
Figs	0.0	32	M	L
Garlic	0.0	32	VL	L <i>(Odor)</i>
Ginger	13.3	56	VL	L

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Grapefruit - AZ/CA/FL/TX	13.3	56	VL	L	(Mold)
Grapes	-1.1	30	VL	L	(Mold)
Greens (Leafy)	0.0	32	VL	H	(Russet Spotting)
Guava	10.0	50	L	M	
Honeydew	10.0	50	M	H	
Horseradish	0.0	32	VL	L	
Jack Fruit	13.3	56	M	M	
Kale	0.0	32	VL	M	
Kiwi Fruit	0.0	32	L	H	
Kohirabi	0.0	32	VL	L	
Leeks	0.0	32	VL	M	
Lemon	12.2	54	VL	M	(Mold)
Lettuce -Butterhead	0.0	32	L	M	(Russet Spotting)
-Head / Iceberg	0.0	32	VL	H	(Russet Spotting)
Lime	12.2	54	VL	M	(Mold)
Lychee	1.7	35	M	M	
Mandarine	7.2	45	VL	M	
Mango	13.3	56	M	H	
Mangosteen	13.3	56	M	H	
Mineola	3.3	38	L	L	
Mushrooms	0.0	32	L	M	
Nectarine	-0.5	31	H	H	
Okra	10.0	50	L	M	
Olive	7.2	45	L	M	
Onions -Dry	0.0	32	VL	L	(Odor)
-Green	0.0	32	VL	M	
Orange -CA/AZ	7.2	45	VL	M	
-FL/TX	2.2	36	VL	M	
Papaya	12.2	54	H	H	
Paprika	10.0	50	L	L	
Parsley	0.0	32	VL	H	
Parsnip	0.0	32	VL	L	
Passion Fruit	12.2	54	VH	H	
Peach	- 0.5	31	H	H	
Pear -Anjou / Bartlett / Bosc	- 1.1	30	H	H	
-Prickley	5.0	41	N	L	
Peas	0.0	32	VL	M	
Pepper -Bell (Sweet)	10.0	50	L	L	
-Chili	10.0	50	L	L	
Persian Melon	10.0	50	M	H	
Persimmon -Fuyu	10.0	50	L	H	
-Hachiya	0.5	41	L	H	
Pineapple	10.0	50	L	L	
-Guava	5.0	41	M	L	
Plantain	14.4	58	L	H	
Plum / Prune	- 0.5	31	M	H	
Pomegranate	5.0	41	L	L	

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<u>FRESH FRUIT & VEG.</u>					
Potato -Processing	10.0	50	VL	M	<i>(Sprouting)</i>
-Seed	4.4	40	VL	M	
-Table	7.2	45	VL	M	
Pumpkin	12.2	54	L	L	
Quince	- 0.5	31	L	H	
Radishes	0.0	32	VL	L	
Red Beet	2.8	37	VL	L	
Rambutan	12.2	54	H	H	
Rhubarb	0.0	32	VL	L	
Rutabaga	0.0	32	VL	L	
Sapota	12.2	54	VH	H	
Spinach	0.0	32	VL	H	
Squash -Hard Skin	12.2	54	L	L	
-Soft Skin	10.0	50	L	M	
-Summer	7.2	45	L	M	
-Zucchini	7.2	45	N	N	
Star Fruit	8.9	48	L	L	
Swede (Rutabaga)	0.0	32	VL	L	
Sweet Corn	0.0	32	VL	L	
Sweet Potato	13.3	56	VL	L	
Tamarillo	0.0	32	L	M	
Tangerine	7.2	45	VL	M	
Taro Root	7.2	45	N	N	
Tomato -mature / green	13.3	56	VL	H	
-Brkr / Lt Pink	10.0	50	M	H	
Tree -Tomato	3.9	39	H	M	
Turnip -Roots	0.0	32	VL	L	
-Greens	0.0	32	VL	H	
Watercress	0.0	32	VL	H	
Watermelon	10.0	50	L	H	
Yam	13.3	56	VL	L	
<u>Live Plants</u>					
Cut Flowers -Roses	0.0	32	VL	H	<i>(Opens Sooner)</i>
-Chrysanthemums	0.0	32	VL	H	
-Gladioli	2.2	36	VL	H	
-Carnations	0.0	32	VL	H	<i>(Sleepiness)</i>
Potted Plants	- 2.8 / 18.3	27 / 65	VL	H	
Nursery Stock	- 1.1 / 4.4	30 / 40	VL	H	<i>(Slower Start)</i>
Christmas Trees	0.0	32	N	N	
Flower Bulbs -Bulbs / Corms / Rhizomes / Tubers	7.2 / 15	45 / 59	VL	H	

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