

ETHYLENE PRODUCTION / SENSITIVITY CHART

COMMODITY	RECOMMENDED TEMPERATURE		ETHYLENE PRODUCTION	SENSITIVITY TO ETHYLENE
	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
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
-Blueberry	- 0.5	31	L	L
-Cranberry	2.2	36	L	L
-Currants	- 0.5	31	L	L
-Dewberry	- 0.5	31	L	L
-Elderberry	- 0.5	31	L	L
-Gooseberry	- 0.5	31	L	L
-Loganberry	- 0.5	31	L	L
-Raspberry	- 0.5	31	L	L
-Strawberry	- 0.5	31	L	L
Breadfruit	13.3	56	M	M
Broccoli	0.0	32	VL	H
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
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
-Sweet	-1.1	30	VL	L
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
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
Ginger	13.3	56	VL	L

N = NONE
VL = VERY LOW

L = LOW
M = MEDIUM

H = HIGH
VH = VERY HIGH

ETHYLENE PRODUCTION / SENSITIVITY CHART

COMMODITY	RECOMMENDED TEMPERATURE SETTING		ETHYLENE PRODUCTION RATE	SENSITIVITY TO ETHYLENE ACTION
	C	F		
<u>FRESH FRUIT & VEG.</u>				
Grapefruit - AZ/CA/FL/TX	13.3	56	VL	L
Grapes	-1.1	30	VL	L
Greens (Leafy)	0.0	32	VL	H
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
Lettuce -Butterhead	0.0	32	L	M
-Head / Iceberg	0.0	32	VL	H
Lime	12.2	54	VL	M
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
-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

N = NONE
VL = VERY LOW

L = LOW
M = MEDIUM

H = HIGH
VH = VERY HIGH

ETHYLENE PRODUCTION / SENSITIVITY CHART

COMMODITY	RECOMMENDED TEMPERATURE		ETHYLENE PRODUCTION	SENSITIVITY TO ETHYLENE
	C	F		
<u>FRESH FRUIT & VEG.</u>				
Potato -Processing	10.0	50	VL	M
-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
-Chrysanthemums	0.0	32	VL	H
-Gladioli	2.2	36	VL	H
-Carnations	0.0	32	VL	H
Potted Plants	- 2.8 / 18.3	27 / 65	VL	H
Nursery Stock	- 1.1 / 4.4	30 / 40	VL	H
Christmas Trees	0.0	32	N	N
Flower Bulbs -Bulbs / Corms / Rhizomes / Tubers	7.2 / 15	45 / 59	VL	H

N = NONE
VL = VERY LOW

L = LOW
M = MEDIUM

H = HIGH
VH = VERY HIGH