



ETHYLENE PRODUCTION / SENSITIVITY CHART

SENSITIVITY PRODUCTION COMMODITY	RECOMMENDED TEMPERATURE		ETHYLENE	
	TO ETHYLENE SETTING		RATE	ACTION
	C	F		
FRESH FRUIT & VEG.				
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	LH



FRUIT SERVICES

N = NONE

L = LOW

H = HIGH

VL = VERY LOW

M = MEDIUM

VH = VERY HIGH

ETHYLENE PRODUCTION / SENSITIVITY CHART

SENSITIVITY PRODUCTION COMMODITY	RECOMMENDED TEMPERATURE		ETHYLENE	
	TO ETHYLENE SETTING		RATE	ACTION
	C	F		
FRESH FRUIT & VEG.				
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
Grapefruit – AZ/CA/FL/TX	13.3	56	VL	L
Grapes	-1.1	30	VL	L
Greens	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
Mincola	3.3	38	L	L
Mushrooms	0.0	32	L	M
Nectarine	-0.5	31	H	H
Okra	10.0	50	L	H
Olive	7.2	45	L	M
Onions – Dry	0.0	32	VL	L



Green	0.0	32	VL	M
-------	-----	----	----	---

N = NONE

VL = VERY LOW

L = LOW

M = MEDIUM

H = HIGH

VH = VERY HIGH

ETHYLENE PRODUCTION / SENSITIVITY CHART

SENSITIVITY PRODUCTION COMMODITY	RECOMMENDED TO ETHYLENE SETTING		ETHYLENE TEMPERATURE	ACTION
	C	F	RATE	

FRESH FRUIT & VEG.

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/Bose	-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 – Fuyo	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
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



FRUIT SERVICES

Spinach	0.0	32	VL	H
Squash – Hard Skin	12.0	54	L	L
Soft Skin	10.0	50	L	M
Summer	7.2	45	L	M
Zucchini	7.2	45	N	N

N = NONE
VL = VERY LOW

L = LOW
M = MEDIUM

H = HIGH
VH = VERY HIGH

ETHYLENE PRODUCTION / SENSITIVITY CHART

SENSITIVITY PRODUCTION COMMODITY	RECOMMENDED TEMPERATURE		ETHYLENE	
	TO ETHYLENE SETTING		RATE	ACTION
	C	F		
<u>FRESH FRUIT & VEG.</u>				
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 / Corns/ Rhizomes / Tubers	7.2/15	45/59	VL	H