

	Bean	Corn	Alfalfa	Tomato	Almond	Grape
Ece Threshold	1.0	1.7	2.0	2.5	1.5	1.5
Ece at 0% yield reduction	1.0	1.7	2.0	2.5	1.5	1.5
Ece at 100% yield reduction	4.2	6.7	10.0	8.4	4.5	7.9
b	31.3	20.0	12.5	16.9	33.3	15.6

DWR-578

IS INFLUENCED BY
IRRIGATION WATER SALINITY (EC_w) OR SOIL SALINITY (EC_e)¹

YIELD POTENTIAL²

FIELD CROPS	100%		90%		75%		50%		0% "maximum"	
	EC_e	EC_w	EC_e	EC_w	EC_e	EC_w	EC_e	EC_w	EC_e	EC_w
Barley (<i>Hordeum vulgare</i>) ⁴	8.0	5.3	10	6.7	13	8.7	18	12	28	19
Cotton (<i>Gossypium hirsutum</i>)	7.7	5.1	9.6	6.4	13	8.4	17	12	27	18
Sugarbeet (<i>Beta vulgaris</i>) ⁵	7.0	4.7	8.7	5.8	11	7.5	15	10	24	16
Sorghum (<i>Sorghum bicolor</i>)	6.8	4.5	7.4	5.0	8.4	5.6	9.9	6.7	13	8.7
Wheat (<i>Triticum aestivum</i>) ^{4,6}	6.0	4.0	7.4	4.9	9.5	6.3	13	8.7	20	13
Wheat, durum (<i>Triticum turgidum</i>)	5.7	3.8	7.6	5.0	10	6.9	15	10	24	16
Soybean (<i>Glycine max</i>)	5.0	3.3	5.5	3.7	6.3	4.2	7.5	5.0	10	6.7
Cowpea (<i>Vigna unguiculata</i>)	4.9	3.3	5.7	3.8	7.0	4.7	9.1	6.0	13	8.8
Groundnut (Peanut) (<i>Arachis hypogaea</i>)	3.2	2.1	3.5	2.4	4.1	2.7	4.9	3.3	6.6	4.4
Rice (paddy) (<i>Oriza sativa</i>)	3.0	2.0	3.8	2.6	5.1	3.4	7.2	4.8	11	7.6
Sugarcane (<i>Saccharum officinarum</i>)	1.7	1.1	3.4	2.3	5.9	4.0	10	6.8	19	12
Corn (maize) (<i>Zea mays</i>)	1.7	1.1	2.5	1.7	3.8	2.5	5.9	3.9	10	6.7
Flax (<i>Linum usitatissimum</i>)	1.7	1.1	2.5	1.7	3.8	2.5	5.9	3.9	10	6.7
Broadbean (<i>Vicia faba</i>)	1.5	1.1	2.6	1.8	4.2	2.0	6.8	4.5	12	8.0
Bean (<i>Phaseolus vulgaris</i>)	1.0	0.7	1.5	1.0	2.3	1.5	3.6	2.4	6.3	4.2

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Ece at 100% yield reduction	4.2	6.7	10.0	8.4	4.5	7.9
b	31.3	20.0	12.5	16.9	33.3	15.6

FRUIT CROPS ¹⁰										
Date palm (<i>Phoenix dactylifera</i>)	4.0	2.7	6.8	4.5	11	7.3	18	12	32	21
Grapefruit (<i>Citrus paradisi</i>) ¹¹	1.8	1.2	2.4	1.6	3.4	2.2	4.9	3.3	8.0	5.4
Orange (<i>Citrus sinensis</i>)	1.7	1.1	2.3	1.6	3.3	2.2	4.8	3.2	8.0	5.3
Peach (<i>Prunus persica</i>)	1.7	1.1	2.2	1.5	2.9	1.9	4.1	2.7	6.5	4.3
Apricot (<i>Prunus armeniaca</i>) ¹¹	1.6	1.1	2.0	1.3	2.6	1.8	3.7	2.5	5.8	3.8
Grape (<i>Vitus sp.</i>) ¹¹	1.5	1.0	2.5	1.7	4.1	2.7	6.7	4.5	12	7.9
Almond (<i>Prunus dulcis</i>) ¹¹	1.5	1.0	2.0	1.4	2.8	1.9	4.1	2.8	6.8	4.5

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Ece at 100% yield reduction	4.2	6.7	10.0	8.4	4.5	7.9
b	31.3	20.0	12.5	16.9	33.3	15.6

VEGETABLE CROPS										
Squash, zucchini (courgette) <i>(Cucurbita pepo melopepo)</i>	4.7	3.1	5.8	3.8	7.4	4.9	10	6.7	15	10
Beet, red (<i>Beta vulgaris</i>) ⁵	4.0	2.7	5.1	3.4	6.8	4.5	9.6	6.4	15	10
Squash, scallop <i>(Cucurbita pepo melopepo)</i>	3.2	2.1	3.8	2.6	4.8	3.2	6.3	4.2	9.4	6.3
Broccoli <i>(Brassica oleracea botrytis)</i>	2.8	1.9	3.9	2.6	5.5	3.7	8.2	5.5	14	9.1
Tomato (<i>Lycopersicon esculentum</i>)	2.5	1.7	3.5	2.3	5.0	3.4	7.6	5.0	13	8.4

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Sphaerophysa (<i>Sphaerophysa salsola</i>)	2.2	1.3	3.4	2.2	5.4	3.6	8.8	5.9	16	10
Alfalfa (<i>Medicago sativa</i>)	2.0	1.3	3.4	2.2	5.4	3.6	8.8	5.9	16	10
Lovegrass (<i>Eragrostis sp.</i>) ⁹	2.0	1.3	3.2	2.1	5.0	3.3	8.0	5.3	14	9.3