

VARIABLE PARAMETERS FEDERAL GUIDELINES

Dissolved Oxygen

<u>Aquatic Life Long Term</u>	<i>Lowest acceptable dissolved oxygen concentration:</i>		
	for warm water biota	early life stages	6000 µg/L
		other life stages	5500 µg/L
	for cold water biota	early life stages	9500 µg/L
		other life stages	6500 µg/L

Aluminium (Al)

<u>Aquatic Life Long Term</u>	if pH < 6.5	5 µg/L
	if pH ≥ 6.5	100 µg/L

Fluoride (F-)

<u>Livestock</u>	feed of animals contains fluoride	1000 µg/L
	other cases	2000 µg/L

Copper (Cu)

<u>Livestock</u>	sheep	500 µg/L
	cattle	1000 µg/L
	swine and poultry	5000 µg/L
<u>Irrigation</u>	cereals	200 µg/L
	tolerant crops	1000 µg/L

Total dissolved solids (TDS)

<u>Irrigation</u>	strawberries, raspberries, beans, and carrots	500 µg/L
	boysenberries, currants, blackberries, gooseberries, plums, grapes, apricots, peaches, pears, cherries, apples, onions, parsnips, radishes, peas, pumpkins, lettuce, peppers, muskmelons, sweet potatoes, sweet corn, potatoes, celery, cabbage, kohlrabi, cauliflower, cowpeas, broadbeans, flax, sunflowers, and corn	500-800 µg/L
	spinach, cantaloupe, cucumbers, tomatoes, squash, brussels, sprouts, broccoli, turnips, smooth brome, alfalfa, big trefoil, beardless wildrye, vetch, timothy, and crested wheat grass	800-1500µg/L
	beets, zucchini, rape, sorghum, oat hay, wheat hay, mountain brome, tall fescue, sweet clover, reed canary grass, birdsfoot trefoil, perennial ryegrass	1500-2500 µg/L
	asparagus, soybeans, safflower, oats, rye, wheat, sugar beets, barley, barley hay, and tall wheat grass	3500 µg/L

Chloride (Cl-)

<u>Irrigation</u>	Foliar damage	almond apricots and plums	100-178 mg/L
		grapes, peppers, potatoes and tomatoes	178-355 mg/L
		alfalfa, barley, corn, and cucumbers	355-710 mg/L
		cauliflower, cotton, safflower, sesame, sorghum, sugar beets, and sunflowers	>710 mg/L
	Rootstocks	stone fruit (peaches, plums, etc.)	180-600 mg/L
		grapes	710-900 mg/L
	Cultivars	strawberries	110-180 mg/L
		grapes	230-460 mg/L
		boysenberries, blackberries, and raspberries	250 mg/L

Boron (B)

<u>Irrigation</u>	blackberries	500 µg/L
	peaches, cherries, plums, grapes, cowpeas, onions, garlic, sweet potatoes, wheat barley, sunflowers, mung beans, sesame, lupins, strawberries, Jerusalem artichokes, kidney beans, and lima beans	500-1000 µg/L
	red peppers, peas, carrots, radishes, potatoes, and cucumbers	1000-2000 µg/L
	lettuce, cabbage, celery, turnips, Kentucky bluegrass, oats, corn, artichokes, tobacco, mustard, clover, squash, and muskmelons	2000-4000 µg/L
	sorghum, tomatoes, alfalfa, purple vetch, parsley, red beets, and sugar beets	4000-6000 µg/L
	asparagus	6000 µg/L

Selenium (Se)

<u>Irrigation</u>	continuous use on all soils	20 µg/L
	intermittent use on all soils	50 µg/L