

HOW MUCH NITRATE IS TOO MUCH?

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NO₃⁻-N	NO₃⁻	Category	Recommendation
	ppm		
0 to 550	0 to 2,500	SAFE	Forage is generally safe to feed to all classes of livestock.
550 to 1,100	2,500 to 5,000	CAUTION	Forage with this nitrate (NO ₃ ⁻) content can cause a problem with pregnant and young animals. Do not feed forage with nitrate levels this high in combination with non-protein nitrogen supplements, and limit forage with NO ₃ levels this high to one-half of total ration.
1,100 to 3400	5,000 to 15,000	DANGER TOXIC	Limit forage with this NO ₃ ⁻ level to one-fourth of total ration. Should supplement forage of this type with energy, minerals and vitamin A.
More than 3,400	More than 15,000	EXTREMELY TOXIC	Forage with this NO ₃ ⁻ level or higher is toxic and should not be fed under any circumstance. If forage with this NO ₃ ⁻ concentration must be fed, it should be mixed with other feed and make up no more than 15 percent of the total ration.