

Quick Release Fertilizers

Characteristics	<ul style="list-style-type: none">• Water soluble• Potential to burn turf if not watered in properly• Nitrogen is available immediately with adequate soil moisture• Lasts 2-6 weeks
Turf Response	<ul style="list-style-type: none">• Nitrogen is available immediately to the turf and causes growth rate to increase sharply, then taper off about 4-6 weeks after application depending on the rate of application
Sources	<ul style="list-style-type: none">• ammonium sulfate• urea• ammonium nitrate• nitrate of soda• ammonium phosphate• calcium nitrate
Most efficient use	Apply in frequent, light applications
Advantages	<ul style="list-style-type: none">• Low cost• Rapid greening response• Effective in all temperatures• Suited to liquid and dry programs
Disadvantages	<ul style="list-style-type: none">• Short bursts of growth after fertilizer application followed by period of slow growth can deplete the plant's carbohydrate reserves, reduce root development and thin a turf stand.• Depending on rate, the high salt index of these fertilizers can burn turf if not watered in properly.• Corrosive and combustible• Difficult to store• Susceptible to leaching and environmental loss