

National Air Quality Initiative Approved Practice Matrix

Note: The following practices have either specific air quality-related purposes or have a direct positive impact on air quality and are approved for use in NAQI states. Other supporting practices may be necessary and require approval prior to being offered as part of NAQI implementation. Supporting practices may be requested by NAQI states with justification. The actual predicted benefits of the practices listed below are determined by the resource setting and practice design for the selected practice. Practices are shown for their typical ability to address each respective air contaminant that contributes to an air resource concern. 'High' means the practice typically provides moderate to substantial improvement in the respective air resource. Similarly, 'Medium' refers to slight to moderate improvement, and 'Low' refers to neutral to slight improvement.

Practice	Code	Air Emission						
		Direct PM Emissions	Ammonia	Oxides of Nitrogen (NOx)	Volatile Organic Compounds (VOCs)	Methane (CH4)	Nitrous Oxide (N2O)	Carbon Dioxide (CO2)
Access Control	472	Medium		Low				Low
Agrichemical Handling Facility	309	Low	Low		Low			
Air Filtration and Scrubbing	371	High	High		Medium	Medium		
Alley Cropping	311	Medium						Medium
Amendments for Treatment of Agricultural Waste	591	Medium	High	Low			Low	
Anaerobic Digester	366				Low	High		
Animal Mortality Facility	316					Low		
Anionic Polyacrylamide (PAM) Erosion Control	450	Medium						
Combustion System Improvement	372	High		High				Medium
Composting Facility	317	Low	Low		Low	Medium	Low	
Conservation Cover	327	Medium		Low				High
Conservation Crop Rotation	328	Medium						Low
Cover Crop	340	Medium						Medium
Critical Area Planting	342	Medium						Low
Cross Wind Ridges	588	Medium						
Cross Wind Trap Strips	589c	Medium						Low
Drainage Water Management	554	Medium						Low
Dust Control from Animal Activity on Open Lot Surfaces	375	High						
Dust Control on Unpaved Roads and Surfaces	373	High						
Feed Management	592	Low	High	Low	Low	High	Low	
Field Border	386	Low						Low
Field Operations Emissions Reduction	376	High						
Forage and Biomass Planting	512	Low						High
Forest Stand Improvement	666	Low		Low				Medium
Heavy Use Area Protection	561	Medium						
Hedgerow Planting	422	Medium	Medium					Low
Herbaceous Wind Barriers	603	Medium						Medium
Integrated Pest Management	595	Medium			Medium			
Irrigation Water Management	449	Medium						Low
Mulching	484	Medium						
Multi-Story Cropping	379	Low						Medium
Nutrient Management	590	Low	High	Medium	Medium		High	Low

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Prescribed Burning	338							Low
Prescribed Grazing	528	Medium						Low
Pumping Plant	533	Medium		Medium				Medium
Range Planting	550	Low						Medium
Residue and Tillage Management, No Till	329	High		Medium				High
Residue and Tillage Management, Reduced Till	345	High		Low				Medium
Riparian Forest Buffer	391	Low						Medium
Riparian Herbaceous Cover	390	Low						Medium
Roofs and Covers	367	Low	Medium	Low	Low	High	Low	
Silvopasture Establishment	381	Low						Low
Sprinkler System	442	Medium						Low
Stripcropping	585	Medium						
Surface Roughening	609	Medium						
Tree/Shrub Establishment	612	Low						High
Waste Separation Facility	632	Low	Low		Low	Low		
Waste Treatment	629	Low	Low		Low	Low	Low	
Waste Treatment Lagoon	359				Low			
Windbreak/Shelterbelt Establishment	380	High	High					High
Windbreak/Shelterbelt Renovation	650	Medium	Medium					Low
Woody Residue Treatment	384	Low		Low				Medium