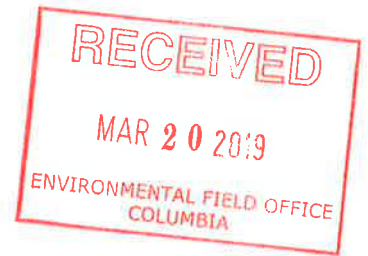


Nash Family Farms Annual Report  
 SOP 13007  
 12/31/2018



Cows 1,320 Under Roof  
 Heifers 288 Open  
 Total Manure Pack 1,035 tons  
 Total Manure Separator (high moisture) 4,280 tons  
 Total Manure Water 5,880,000 gal  
 Transferred Manure Lease ground I control 4,800 tons  
 Transferred Manure Water 0 gal  
 Total Application Acres Available 524 acres  
 Land Farmed no application in 2018 0  
 Waste discharge summary 2 Feb 5 2018 - 22,900 gallons  
 Feb 20, 2018 - 10,000 gallons

Nutrient Management Plan was developed by a certified nutrient planner yes

Fall Wheat 10.19 tons per acre @ 40% Dry Matter  
 Spring Corn 15.55 ton per acre @ 38% Dry Matter drought is July reduced yield for rental acres

	Manure	Manure Water	Nutrients applied Manure units per ac	Nutrients applied Manure Water units ac
N	8.28 lbs/ton	2.67/1000 gal	171	48
P	4.65 lbs/ton	2.05/1000 gal	95	37
K	2.88 lbs/ton	13.8/1000 gal	59	251

Manure calculations 4700 divided by 228 equals 20.6 per acre  
 Manure Water calculations 5,880,000 divided by 326 equal 18,204 gal per acre

Total Solid Manure Applied 4,700 tons

Total Manure Water Applied 5,880,000 gal

Soil Test Taken if any yes

Supplemental Fertilizer Applied  
 140 N for two crops 141 acres  
 0 K for two crops 141 acres  
 50 N for two crops 323 acres  
 0 K for two crops 323 acres  
 140 N for two crops 60 acres  
 0 K for two crops 60 acres

I certify under penalty of law this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this is made under penalty of perjury.

*Steve Nash* 3-15-19