	Atrient Stewardship Certification Standard Audit Requirements and Evidence In the state of Missouri by The Missouri Fertilizer Control Board Requirement Nutrient Service Providers' sales and application staff have undergone 4R training and staff are able to demonstrate knowledge about 4R Nutrient Stewardship and the 4R Certification Program. Meeting agendas, education log, or materials indication 4R concepts and topics (Right Rate,	Retail Name: Location: Date: Staff Contact: Evaluation C C NC NA
Acceptable	Time, Place, and Source) were covered with a roster of those in attendance. Can also be an	
Evidence T1 Evidence Observed	interview with various staff. Evidence:	Source of Evidence: Document Interview Observation
T2a	Ongoing education and training of Nutrient Service Providers, sales, and application staff	
T2a Acceptable Evidence	Evidence of training sessions attended, training materials covered indicating 4R concepts, and verification of attendance. Criteria should include training for various roles (sales, recommendations, application), specific topics, frequency or timeframe, number of trainings or CEUs achieved, and administered by an accredited body, such as ASA, Extension/University, or NRCS.	
T2a Evidence Observed	Evidence: Resources online AR print materials MoFCB 4R certification training videos Other	Source of Evidence: Document Interview Observation
T2b	Ongoing education and training of certified professionals must have current certification in good standing. A certified professional must be on staff or contracted to review nutrient recommendatins.	□ C □ NC □ NA
T2b Acceptable Evidence	Print-off of current credentials and/or certification which include: Certified Crop Adviser (CCA), USDA-NRCS Comprehensive Nutrient Management Plan (CNMP), Certified Professional Agronomist (CPAg), or other relevant accreditation from the American Society of Agronomy or National Alliance of Independent Crop Consultants.	
T2b Evidence Observed	Evidence: At least 1 certified professional on staff with current credentials to review nutrient recommendations Certified professional hired contractually to review nutrient recommendations Other	Source of Evidence: Document Interview Observation

T3	4R education and training of grower customers.	□ C □ NC □ NA
Accentable	Proof of distribution of 4R materials to customers via post mail, email, meeting description, or forum on an annual basis.	
T3 Evidence Observed	Evidence: Resources online Inserts in or notes on invoices 4R print materials MoFCB 4R certification training videos Social media posts by ag retailer Other	Source of Evidence: Document Interview Observation
D1	Nutrient Service Providers will record a list of grower customers and number of acres in the following categories: full service, recommendation only, and application only. The list should include columns designating the CCA assigned to the customer and a designation if the customer utilizes manure-based nutrients, if applicable. NOTE: Grower customer records to be kept confidential by Nutrient Service Provider and made available for review during an audit.	□ C □ NC □ NA
D1 Acceptable Evidence	The NSP will record and submit a list as noted- this is the auditor's population for sample selections. This list can be coded (i.e. Customer A, B, C, etc.) For the pilots the customer list will only include those involved in the cost share practice.	
D1 Evidence Observed	Evidence:	Source of Evidence: Document Interview Observation
D2	Field map records include information such as yield goals, sensitive areas, soil type delineation, setbacks, soil test results, watershed location and nutrient recommendations.	□ C □ NC □ NA
D2 Acceptable Evidence	Review of records on file, can be hard copy or electronic. Multiple data layers or maps/documents are acceptable.	
D2 Evidence Observed	Evidence: Provided in nutrient recommendation software Other	Source of Evidence: Document Interview Observation
	Nutrient Service Provider keeps onsite list and/or copies (either electronic or hard copy) of relevant national, state, or local laws related to nutrient recommendations and application.	□ C □ NC □ NA
Accontable	Review of applicable laws, can be kept in hard copy or electronic format by Nutrient Service Provider.	

	Evidence:	
D3 Evidence Observed	 Resources available online Hardcopy on location Other 	Source of Evidence: Document Interview Observation
D4	Nutrient recommendations and services are reviewed by the certified professional and with the grower customer.	□ C □ NC □ NA
D4 Acceptable Evicence	Customer service agreeemnt to show growers services and recommendations included with planning process. To be tested during pilot phase. Could be the cost share agreement document.	
D4 Evidence Observed	Evidence: CCA reviews and discusses with customer CCA reviews and agronomy staff reviews with customer Other	Source of Evidence: Document Interview Observation
R1a	Soil tests must be completed by a Missouri State Approved Soil Testing Lab and completed a minimum of every 4 years. Samples should be uniform on 25 acres or less. With grid/zone sampling being more robust and accurate, these technologies should be considered.	□ C □ NC □ NA
R1a Acceptable Evidence	Current soil test records on file.	
R1a Evidence Observed	Evidence: Retailer uses for soil analysis OM P K pH CEC	Source of Evidence: Document Interview Observation
R1b	Soil tests must include minimum results of OM, P, K, pH, CEC and scope of sample on 25 acres or less. NOTE: With grid/zone sampling being more robust and accurate, these technologies should be considered.	□ C □ NC □ NA
R1b Acceptable Evidence	Current soil test records on file.	
R1b Evidence Observed	Evidence: Provided in nutrient recommendations OM P K pH CEC	Source of Evidence: Document Interview Observation

R2a R2a Acceptable Evidence	Nutrient recommendations consider at least the following: land-grant university recommendations and soil tests taken within the last 4 years. Nutrients are applied according to a written Nutrient Recommendation that has been prepared within the prior 4 years. Nutrient recommendations based on the University of Missouri guidelines, Tri-State Fertilizer Recommendations, or other Midwest Land Grant University recommendations, notation of soil conditions at time of application, and copy of soil tests. These guidelines allow for adaptive management based on documented on-farm data showing reasonable expectation of improved crop yield without increased risk of harm to water quality.	□ C □ NC □ NA
R2a Evidence Observed	Evidence: I Nutrient recommendations based off MoFCB approved resource Soil tests taken within the last 4 years Other	Source of Evidence: Document Interview Observation
R2b	Nutrient recommendations consider at least the following: all nutrient sources (including manure), yield potential/history, split N application and N inhibitors/stabilizers.	□ C □ NC □ NA
R2b Acceptable Evidence	All sources of nutrients are included in the recommendation records. Credits are given to all nutrient sources applied (e.g., manure); commercial nutrient is adjusted accordingly.	
R2b Evidence	Evidence:	Source of Evidence: Document Interview Observation
R2c	Potential soil conditions and soil management are documented before making nutrient recommendations - frozen or snow covered ground, tillage practices (no-till, reduced tillage, or other), soil temperature, method of application, P-Index	□ C □ NC □ NA
R2c Acceptable Evidence	Notation in Nutrient Plan of date of planned application, notation in plan of tillage practices and timing of tillage relative to nutrient applications, resource documented for observing soil temperature for N applications	
R2c Evidence Observed	Evidence:	Source of Evidence: Document Interview Observation
A1	Application records must not exceed nutrient recommendations for customer applied acres, within a 10% margin of error.	□ C □ NC □ NA

A1 Acceptable Evidence	Hard copy or electronic records on file indicating nutrient recommendation and applied scale ticket or as-applied map. Records of application will be compared to the nutrient recommendations on file. Only applicable to the full-service customers. For applications made by the Nutrient Service Provider, records of nutrient application include at minimum: - fertilizer/nutrient sources, - method of application, - rate of application, - time of application, - a field map showing locations of application	
A1 Evidence Observed	Evidence: Available through application software and/or documents Fertilizer/nutrient sources Method of application Rate of application Time of application Field map showing locations of application	Source of Evidence: Document Interview Observation
A2	Nutrient placement considers tillage, growing crops, injecting/knifing/y-drops/banding, and broadcasting.	□ C □ NC □ NA
A2 Acceptable Evicence	Nutrient plan includes evaluation of proper application process.	
A2 Consideration s for N and P placement	Commercial phosphorus fertilizer shall not be recommended or applied to frozen or snow-covered ground. Phosphorus fertilizer should be incorporated as soon as practical in recommendations and application, as related to the risk for phosphorus loss to surface waters demonstrated in the MO Phosphorus Runoff Index risk assessment procedure.	
	Commercial nitrogen fertilizer shall not be recommended or applied in the fall without a nitrogen inhibitor product and until not applied until after soil temperatures are below 50 degrees F based on university soil temperature maps.	
A2 Evidence Observed	Evidence: Information gathered during customer/retail staff discussion Other	
А3	Weather or forecast use around nutrient applications.	
A3 Acceptable Evidence	Demonstrate weather forecasting tools used by the retail location.	

	Evidence:	
A3 Evidence Observed	☐ In-house weather software/app (i.e. DTN) ☐ Mobile weather app ☐ Other	Source of Evidence: Document Interview Observation
A4	Crop yield goals are discussed with the grower and are based on previous crop history.	□ C □ NC □ NA
A4 Evidence Accepted	Review of records on file (hard copy or electronic). Proof of level of crop management may be records of previous yield history.	
A4 Evidence Observed	Evidence:	Source of Evidence: Document Interview Observation
A5	Environmentally sensitive areas (such as tile inlets, well heads, areas of concentrated flow, gullies, and water bodies where nutrient application may occur) are documented and discussed with the grower customer.	□ C □ NC □ NA
A5 Evidence Accepted	Identify sensitive areas and/or show examples on field maps.	
A5 Evidence Observed	Evidence: Information gathered during customer/retail staff discussion Noted on field maps Other	Source of Evidence: Document Interview Observation
A6	Regular equipment calibration frequency (annual calibration minimum).	□ C □ NC □ NA
A6 Accepted Evidence	Calibration (i.e. maintenance) records indicating equipment service date and any maintenance/service required. Nutrient Service Providers should outline any new technology goals.	
A6 Evidence Observed	Evidence: In-house maintenance and calibration records Field test records Other	Source of Evidence: Document Interview Observation