

From Antagonists to Forces for Change

Why Listening is the First Step Toward Sustainability

Bill Stanley, 5/12/2020









Protected Forests in Ohio, 2020



Forests
Needed for a
Resilient and
Connected
Network



Clean Water and Agriculture

Beyond-the-Field

Natural
Infrastructure
streams,
floodplains and
wetlands

In-the-Field

Nutrient
Sources
nutrient
management &
soil health



Edge-of-Field

Delivery
pathways
practices to
manage farm
runoff









4R Nutrient Stewardship Certification Program

- Right Source at the Right Rate, the Right Time and in the Right Place
- March 2014 Began in WLEB in Ohio, Michigan and Indiana
- Expanded to:
 - All of Ohio
 - Ontario, Canada
 - New York
 - Florida
 - Considered in 8 other U.S. states

4R NUTRIENT STEWARDSHIP CERTIFICATION PROGRAM

Voluntary program in Western Lake Erie Basin (WLEB) and entire state of Ohio for agricultural retailers & nutrient service providers implementing the 4Rs















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GOALS

Maximize crop nutrient uptake and minimize crop loss

Positvely impact local water bodies

Provide up-to-date information on nutrient stewardship

Help the agricultural sector adapt to new research and technology

REQUIREMENTS

Initial training and on-going education

Monitoring of 4R implementation

Nutrient recommendation and application

THIRD-PARTY VERIFIED

Audits review training and education, recommendations to growers and application records

Third-party auditor verification occurs each year

For more information, visit 4rcertified.org

RIGHT SOURCE - RIGHT RATE - RIGHT TIME - RIGHT PLACE

Acres represent full service or application only clients - Updated 4 17:20

4R Relationships Set the Stage for

H2Ohio

With DeWine's Leadership

\$172 M

+ hopefully more in the future



TargetedPriorities

h2.ohio.gov



www.Governor.Ohio.gov



Reducing Phosphorus



Creating Wetlands



Addressing Failing Septic Systems



Preventing Lead Contamination





"Winning the environmental war is a whole lot tougher challenge by far than winning any other war in the history of Man.

Our goal is not just an environment of clean air and water and scenic beauty. The objective is an environment of decency, quality and mutual respect for all other human beings **and** all other living

creatures."



- Gaylord Nelson, Earth Day Founder in 1970

From Antagonists to Forces for Change

- 1) BE OPEN TO FINDING THE ANSWER FOR PEOPLE, PLANET **AND** PROFIT. Don't perpetuate the false choice between the environment **or** the economy.
- 2) LISTEN TO UNDERSTAND. This is not a competition. You need a diversity of perspectives to achieve sustainability.
- 3) CO-CREATE. Go slow to go fast. Take time up front to find common ground. Get a win under your belt, even a small one, and then go bigger.



