### Lake Erie 4R Nutrient Stewardship Certification: Water Quality Markets





The Nature Conservancy www.nature.org/wleb

## Great Lakes in unprecedented danger, Chicago mayor says

Lake Erie Algae Bloom Crisis Is Putting Pressure On Ohio. Farm The New York Eimes

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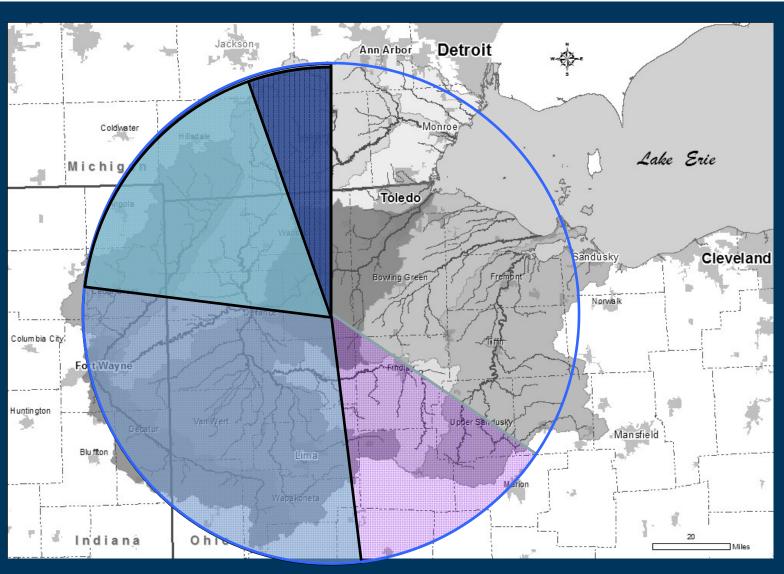
he edge of one of gest source of it, it's easy to feel s created by ot all the water er need, some of the best

Fertilizer pollution fears bubble a Toledo water crisis

Experts say that lax rules for fertilizer and creeping climate change brought on algae bloom that tainted city's



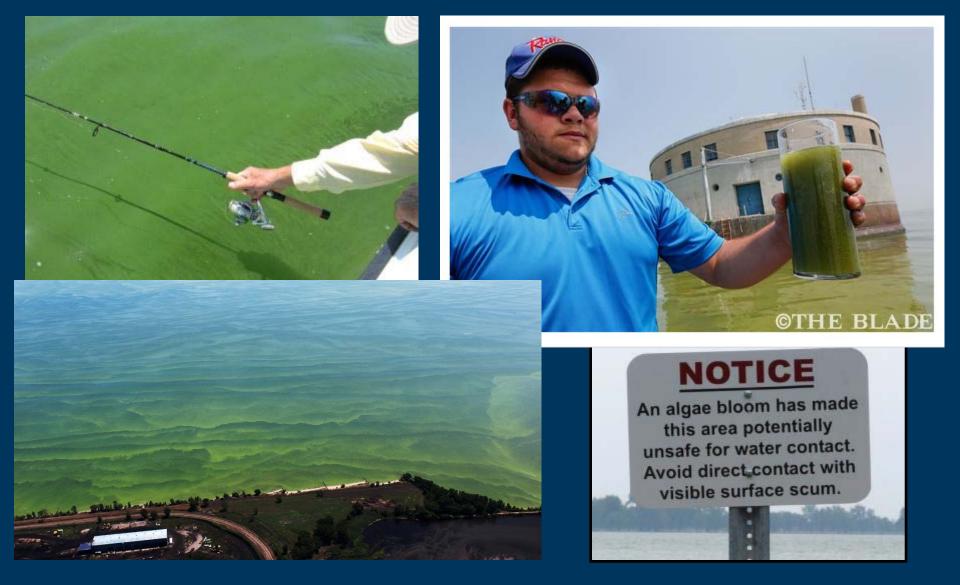
#### Western Lake Erie Basin







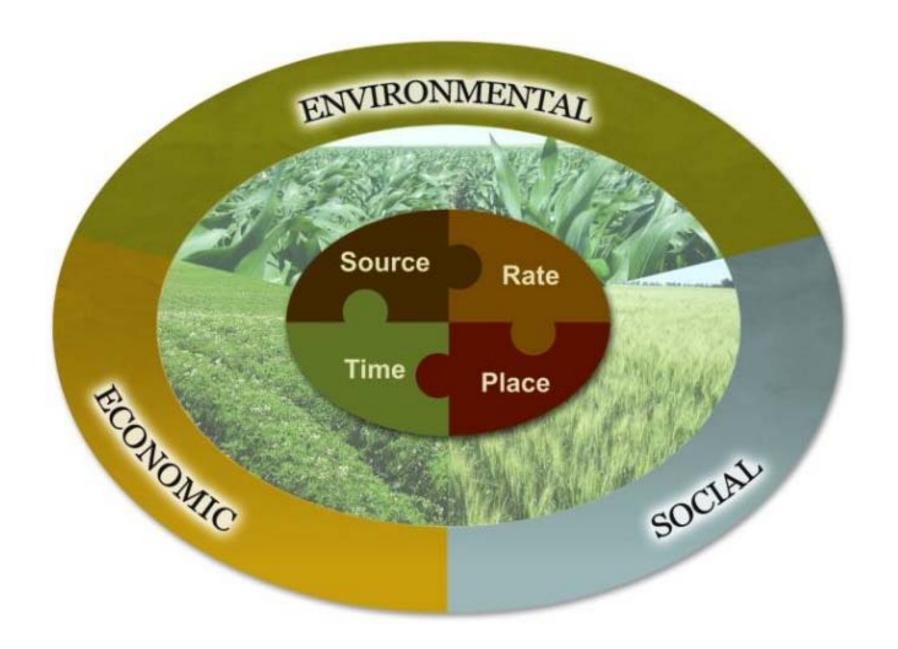
# Cumulative Impacts





# Systems Approach







### Building Relationships can Scale Conservation







#### 4R Nutrient Stewardship Advisory Committee













Fertilizer Institute Nourish, Replenish, Grow







LAKE ER



INTERNATIONAL PLANT NUTRITION IPNI INSTITUTE

















Ohio Corn & Wheat

Growers Association



















COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES



Parivare Third Service Oilor

Nutrient Service Nutrient Service Providers

# Voluntary





## In House Audit – Every 3 Years





## Year 1

**Onsite Audit** 

#### Year 3

Desk Audit for NSPs that have performed well in previous years.

#### Year 2

Onsite Audit in the first certification cycle, possible Desk Audit in later certification cycles

\$600 Annual Registration Fee







#### Continual Review of the Standard













Nourish, Replenish, Grow

INTERNATIONAL



Protecting nature. Preserving life."

































#### riple Bottom Line 5-year Evaluation











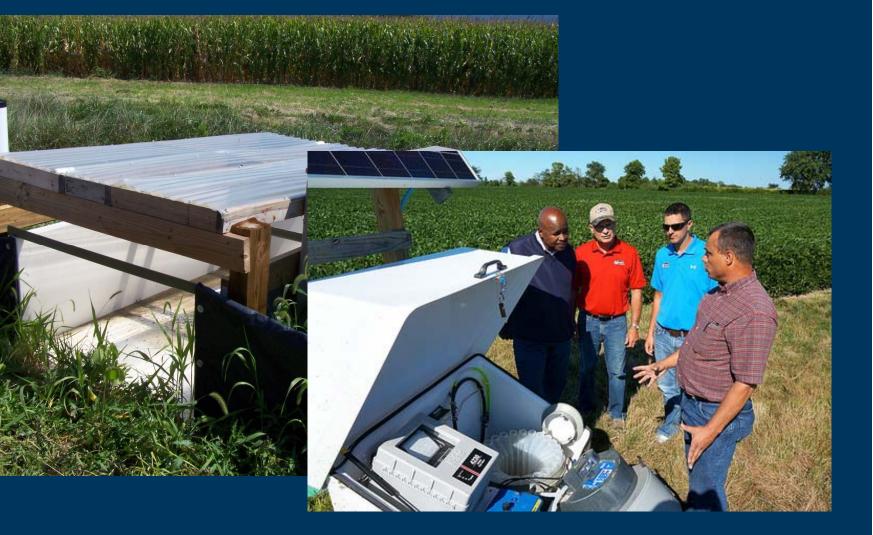




1.25 Million



# Field → Watershed → Lake





#### How can this be Marketed?





www.4Rcertified.org www.nature.org/wleb www.nature.org/algae

