

2019 Envirothon State Problem

This year's state Envirothon oral presentation is based on the current issue, **Agriculture and the Environment: Knowledge and Technology to Feed the World** and the creation of a strategic plan for the management of a property(s) for an ongoing project with an agricultural focus.

Your proposed strategic plan will be based in your community. Identify the site/location where the plan will be implemented. It should be a minimum of 300 acres, include crop and woodland acres as well as a water feature (ditch, stream, river, lake, etc.). Your goal is to develop a plan to maximize production, while incorporating technology.

Take into consideration the use of and the impacts on all natural resources including soil, water, trees, plants and wildlife and what your plan will bring to the property. Your agricultural focus on this property should include:

- Soil Health and Land Use (prior use, current use, and project use)
- Water Management and Potential Impairment
- Sustainability of the natural resources
- Best Management Practices
- Management of Trees and Wildlife
- Management plan of crops/garden/habitats maintenance/rotation
- If you include some type of livestock (large or small)
 - Management plan of livestock and impacts

Your strategic plan must be practical and based on an actual location in your community. Incorporate the appropriate technology pieces that will make your project more productive, efficient, and profitable, while considering environmental impacts. Maps and/or photos of the landscape is encouraged to be included with your project as well as speaking with a natural resources professional(s).

Some suggestions for contacting natural resource professionals:

- US Dept of Agriculture (USDA)/Natural Resources Conservation Service (NRCS)
- Soil and Water Conservation District (SWCD) - *every county has one*
- Purdue Cooperative Extension Office - *every county has one*
- Dept of Natural Resources
- Indiana State Department of Agriculture (ISDA)
- Parks Department
- City/County Planner/Commission
- Local College Agriculture Professor
- A Landowner that you know.

Your team is to focus on the strategic plan to be presented. You should have a strong understanding of the components of the property you have selected, as well as the technology being used. The judges may ask you questions concerning specific natural resources present/available (soil/land use, aquatic ecology, forestry, wildlife) and how they are being enhanced by your plan.

Your Strategic Plan should include these 8 key items:

1. History of property
2. Vision of the plan for this location
3. Prioritization of plan/timeline
4. Goals and Objectives of the plan
5. Monitoring of plan
6. Activities of the plan (who, what, where, when, why)
7. Things to consider
 - i. Practicality
 - ii. Expenses/Funding
 - iii. Social/Cultural impacts
8. Resource page
 - i. Listing of natural resources professionals contacted and comments (highly recommended)
 - ii. Additional resources used in plan preparation
 - iii. Listing of the team members

Resources to consider –

- Your local Natural Resource Professionals
USDA/NRCS/SWCD
County Extension Office
Department of Natural Resources (DNR)
State/National Forests
Indiana State Department of Agriculture
Parks Department
City/County Planner/Commission
Local College Agriculture Professor
A Landowner that you know
City or County GIS/Planning and Zoning/Engineering Departments
- Web Soil Survey link
 - <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

- Conservation Choices – Best Management Practices for Farmers – Maryland
 - [http://mda.maryland.gov/resource_conservation/counties/ConservationChoices_2012_FINAL%20\(1\).pdf](http://mda.maryland.gov/resource_conservation/counties/ConservationChoices_2012_FINAL%20(1).pdf)
- Learning objectives of the 2019 Envirothon Current Issue found in 2017 booklet p9
 - <http://tinyurl.com/CurrentIssueEnvirothon>

2019 Indiana Envirothon State Contest Presentation Guidelines

Submit three copies of Strategic Plan (including support materials) on 8.5 x 11 white paper in black ink typed in an easily read font style and size. Be sure to include maps, bibliography, cover page, and team member page. *(One copy of the strategic plan will be kept by the Indiana Envirothon and the other copies may be picked up at the registration table after the contest concludes)*

Make sure the presentation includes how the Strategic Plan will affect soils and land use, wildlife, forestry, aquatic ecology, and address the 2017 current issue Agricultural Soil and Water Conservation Stewardship.

All materials related to the presentation (note cards, poster, reports, etc.) need to be turned in when you register. They will be returned prior to your presentation.

If you will be using a power point presentation of some type with your oral presentation, it must be submitted via e-mail to Jeri Ziliak as a PDF file only. E-mail your PDF presentation to both jeri.ziliak@in.nacdnet.net and rjziliak@gmail.com **by Thursday, April 18, 2019 at 12PM (Noon).**

All PowerPoint presentations MUST be submitted in PDF format ONLY – no other presentations, pre-recorded verbal or internet accessed presentations are permitted. PDF presentations will be pre-loaded onto a computer prior to the contest by the Indiana Envirothon representative. Please be sure your presentation is in a PDF format before sending it in. Posters, flipcharts, etc. are encouraged. No additional equipment or tripods will be provided.

It is highly encouraged to have a back-up plan for your presentation in the event that weather, technical, or other issues beyond the control of Indiana Envirothon should occur during the state contest.

Your presentation must be no longer than 12 minutes long. There will be a 2 point penalty for going over 12 minutes and the team will be stopped at that point. No penalties for being under 12 minutes.

A score sheet has been included for your reference.