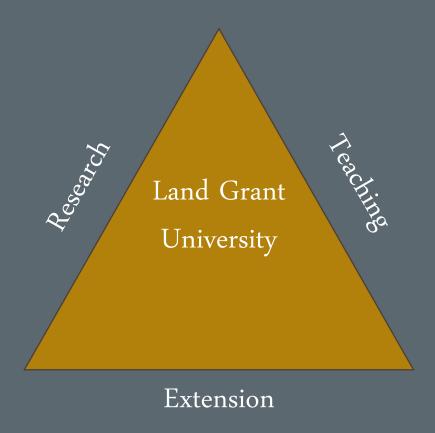
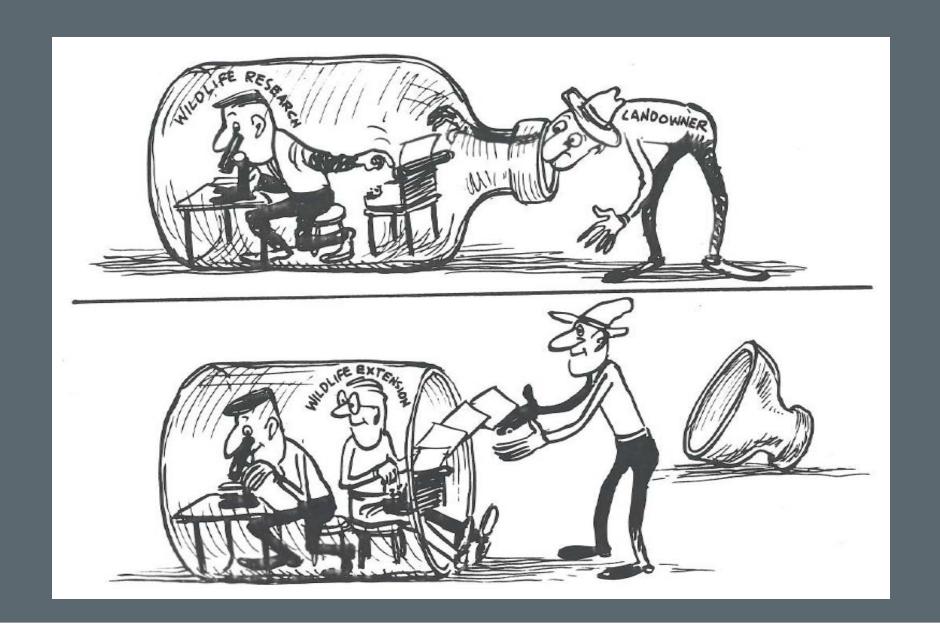




# ...Through the Land Grant Mission









## Why growing season fire?

Crossville, TN





## Why growing season fire?

Maynardville, TN





## Missed opportunities?

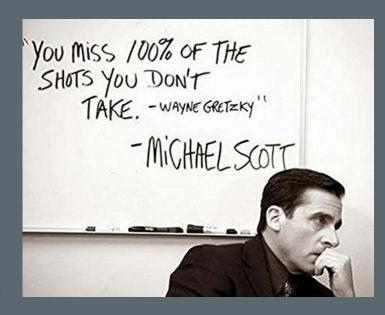
Research suggests it is a valuable tool

But,

Is it being used?

• If not, why?

How can we share the story?





### Fast Forward....

Started at Purdue in Fall 2016

INPFC forming ~2017

Opportunity to learn more about Rx fire in IN

2018 IN Rx Fire Use Survey



## 2018 IN Rx Fire Use Survey

How is Rx fire currently being used in IN?

- 52 Questions
- 101 respondents
  - 43 State agency staff
  - 19 Federal agency staff
  - 15 NGO + Land trust staff
  - 14 Private consultants
  - 6 Private landowners
  - 4 University staff



## Fire Seasonality





## Rx Fire Survey says...

Indicate what percentage of your prescribed fires occur in each month...



Nov – Mar (60%)

Nov – Apr (91%)

Aug – Oct (10%)



### But, wait there's more...

Rx Fire Survey says...

What factors most influence the time of year you burn?

### Top 3 reasons

- 1. Weather (76%)
- 2. Effects on desirable plants (63%)\*
- 3. Effects on undesirable plants (44%)\*



## Rx Fire Survey says...

### What are barriers to conduct Rx fire?

#### Top 3 reasons

- 1. Acceptable burn weather (94%)
- 2. Smoke management (69%)
- 3. Time (63%)



## Rx Fire Survey says...

What Rx fire topics are you most interested in learning about?

### Top 3 topics

- 1. Effects of fire on wildlife (84%)
- 2. Effects of seasonality of fire (74%)
- 3. Fire in forested ecosystems (74%)



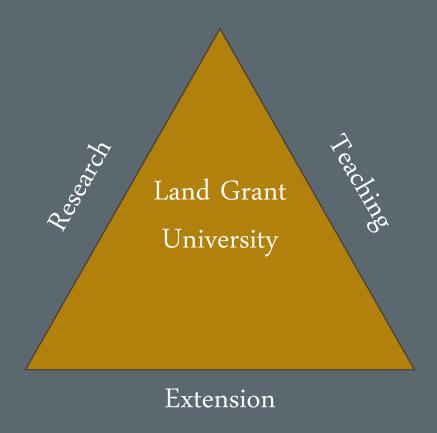
### What to make of this?

### Changing perceptions

- Opportunities to overcome barriers
  - Time and acceptable weather
- Knowledge gaps
  - 74% interested in learning more about fire seasonality
- Missed opportunities
  - Only 10% of fire during late-growing season



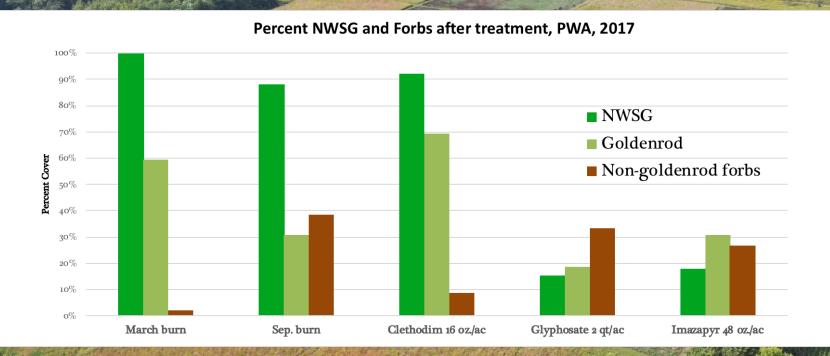
# ...Through the Land Grant Mission





### Research

## The effects of CRP mid-contract management on NWSG stands



### Research

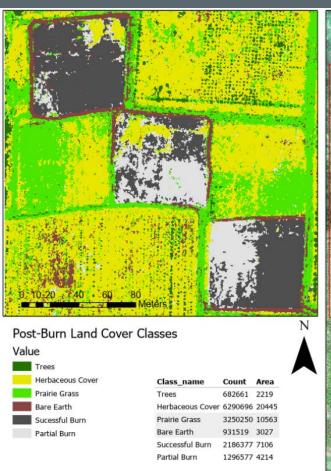
Using UAVs to evaluate the effects of Rx fire seasonality





### Research

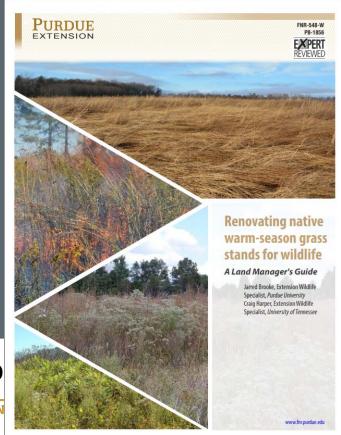
Using UAVs to evaluate the impact of Rx fire seasonality





https://storymaps.arcgis.com/stories/cc0d203d67a54c7eb81ee36f379a6ee3

Managing native warm-season grass stands for wildlife: a land manager's guide





2019 Indiana Prescribed Fire Council Meeting



9:00-9:30 - Welcome & INPFC Update

9:30-10:00 - Indiana Rx Fire Regulations Brock Jones, IDEM

10:00-10:30 - Rx Fire and T&E Species Regulations Andy King, USFWS

10:45-11:15 - Rx Fire and Timber Value Research Shannon Stanis, WREC

11:15-11:45 - Seasonal Effects of Rx Fire Jack McGowan-Stinski, Lake States Fire

11:45-12:30 - Lunch (provided)

12:30-1:15 - Committee meetings Research, education, and training

1:15-2:00 - Fire Council Buisness Meeting

2:00-3:00 - Rx Fire field tour

FRIDAY MAY 24, 2019 9 AM - 3 PM JOHN S. WRIGHT CENTER 1007 N 725 W. WEST LAFAYETTE, IN 47906

COST \$25 (LUNCH INCLUDED)

REGISTER HERE

HTTP://WWW.CVENT.COM/D/P603MN

CONTACT INFORMATION

- SUS NYBERG
- GNYBERG@NICHESLANDTRUST.ORG



Purdue

Seasonality of Fire: Matching Burn Timing with Fire Effects





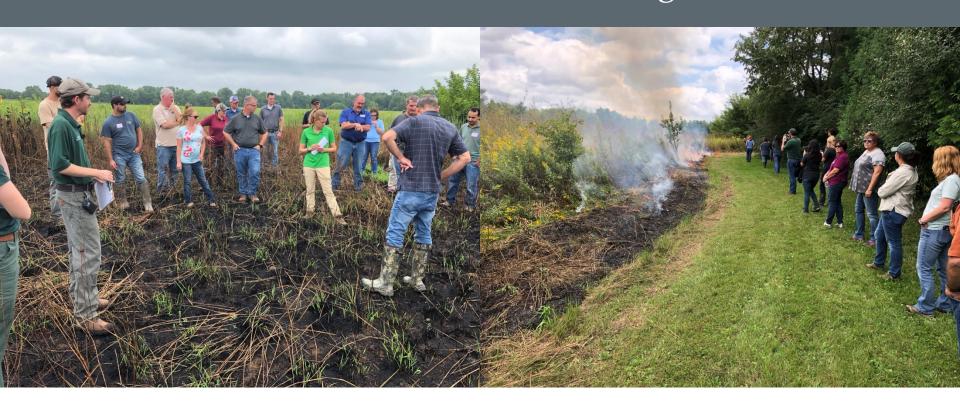




Jack McGowan-Stinski Program Manager http://lakestatesfiresci.net/index.html mcgowan-stinski.1@osu.edu

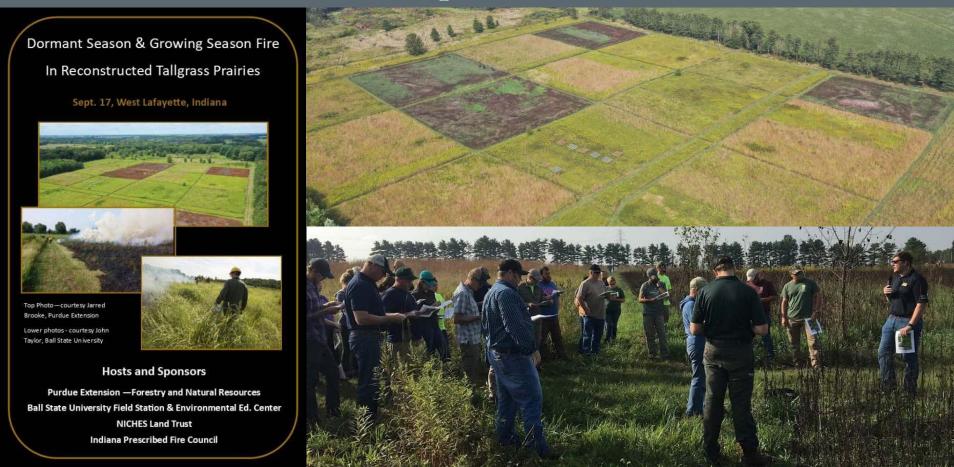


Conservation Partnership Training: Native Warm-Season Grass Establishment & Management





Effects of Fire Seasonality on Reconstructed Prairies in Indiana (September 2019)



Learn-N-Burn: Landowner Rx Fire Workshops



# LEARN-TO-BURN: GRASSLAND MANAGEMENT WORKSHOP

Do you have CRP fields or other native warm-season grass stands on your property? Interested in learning about prescribed fire and other grassland management tools? This workshop will cover CRP and Mid-Contract Management options, including herbicide, interseeding, and disking, as well as prescribed fire planning, safety, equipment and a demonstration burn (weather permitting).

August 25th, 2018 9:00 am—2:00 pm EDT Wright Forestry Center, Martell Forest 1007 N 725 W, West Lafayette, IN

Registration—\$10 per person (includes lunch).

Visit <a href="https://www.eventbrite.com">https://www.eventbrite.com</a> and search Learn to Burn.

Space is limited. Please register by August 15, 2018.

For more information contact:

Angie Miller, Tippecanoe County SWCD, at 765-474-9992, ext 4006 or at angela.garcia-miller@in.nacdnet.net



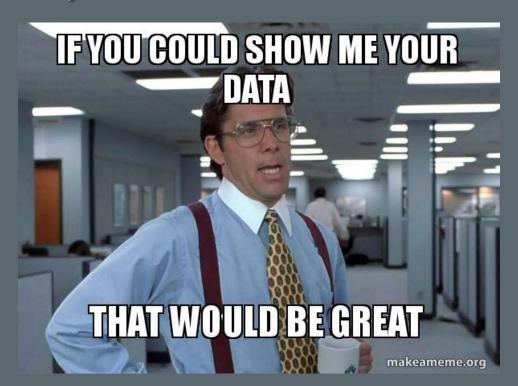
**PURDUE EXTENSION** 





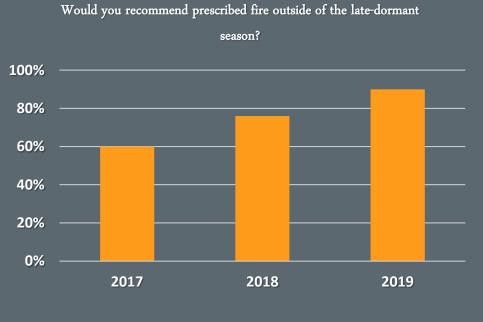
All programs and services of the Tippecanoe SWCD are offered on a nondiscriminatory basis without regard to race, color, national origin, religion, sex, age, marital status or handicap.

• The data says...





### Conservation Partnership Trainings



### Workshop Quotes

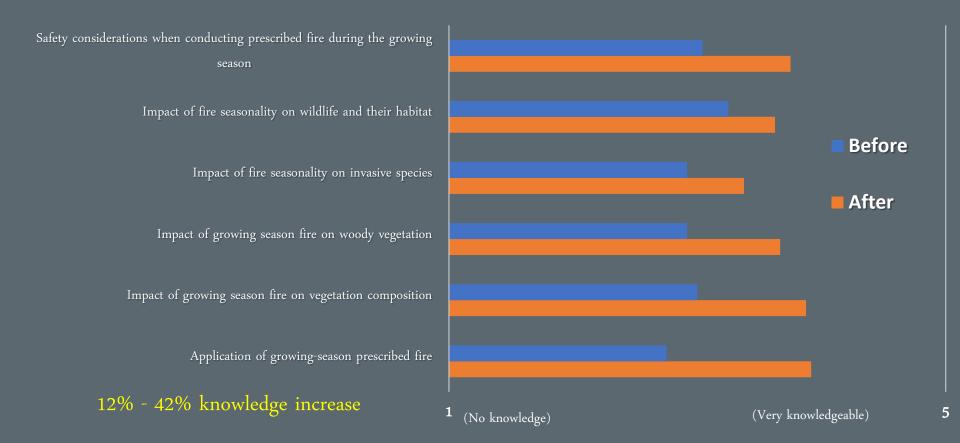
Most important thing you will take away from the workshop

- Late-growing season burns are very valuable options
- Growing season fire can be important in native stand
- Burning in Aug-Sep is a useful tool
- Timing of fire



### Seasonality of Fire Field Day – knowledge change

Change in knowledge following the Seasonality of Fire Workshop

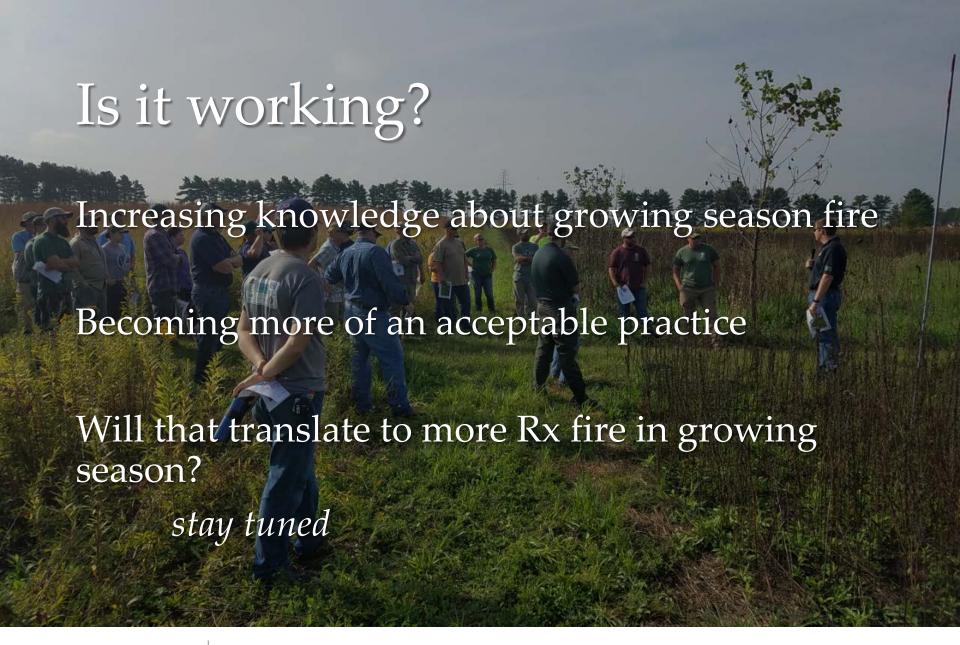


Learn-N-Burn Landowner Workshops

How knowledgeable are you about how burning during different seasons impacts plants (1-5 scale)?

- Before workshop = 1.78
- After workshop = 4.13
- 148% knowledge increase







## In summary...

Growing season fire has a place

More research will help us better understand that place

BUT

"Science is not finished until it's communicated" - Sir Mark Walport

Important to share the science to share the story







inpfc.org

Facebook - https://www.facebook.com/IndianaFire/













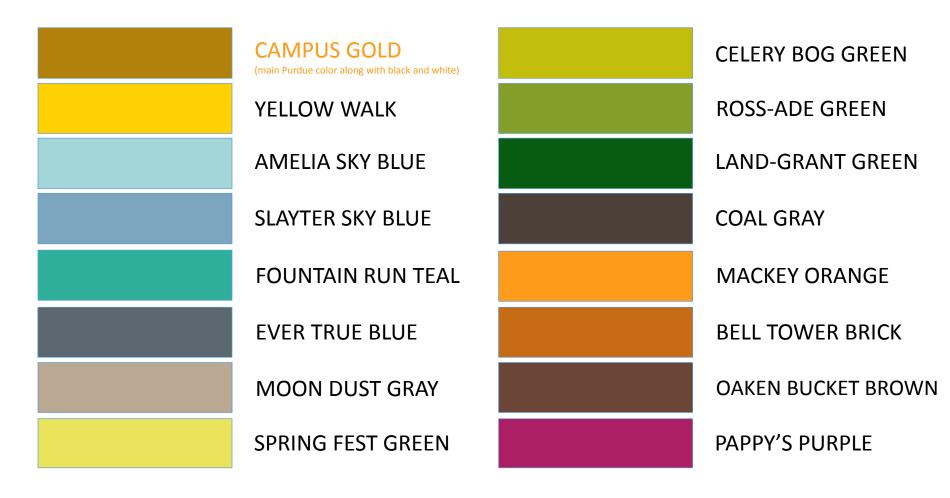


Forestry and Natural Resources **COLLEGE OF AGRICULTURE** 









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