

Agricultural Classification of Multi-Temporal MODIS Imagery in Northwest Argentina Using Kansas Crop Phenologies

September 17, 2014

Jarrett Keifer
Department of Geography



Portland State
UNIVERSITY



RESEARCH QUESTIONS

Can I...

- ▶ develop a phenological classification toolset?

RESEARCH QUESTIONS

Can I...

- ▶ develop a phenological classification toolset?
- ▶ extract crop signatures from Kansas data?

RESEARCH QUESTIONS

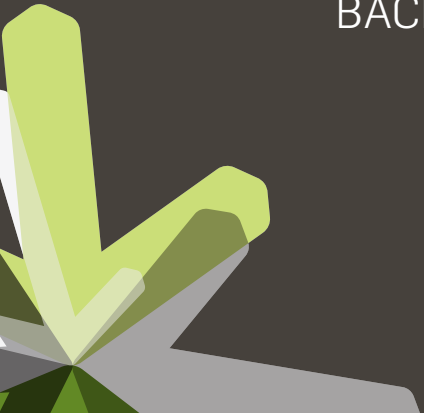
Can I...

- ▶ develop a phenological classification toolset?
- ▶ extract crop signatures from Kansas data?
- ▶ classify an Argentina study area with the Kansas signatures?

CONTENTS

1. Background
2. Study Areas
3. Data and Methods
4. Results and Discussion
5. Concluding Remarks

BACKGROUND



DEFORESTATION IN ARGENTINA

SOY AND ITS EFFECTS

VIS AND TIME SERIES IMAGES

PHENOLOGICAL CLASSIFICATION

STUDY AREAS



DEPARTMENT OF PELLEGRINI

DATA AND METHODS



RESULTS AND DISCUSSION



CONCLUDING REMARKS

