

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

d

VIS AND TIME SERIES IMAGES

d

PHENOLOGICAL CLASSIFICATION

d

STUDY AREAS

DEPARTMENT OF PELLEGRINI

DATA AND METHODS

RESULTS AND DISCUSSION

CONCLUDING REMARKS