



# NAIP Aerials may become a licensed product in 2019

- Since 2003 USDA FSA has provided statewide aerial imagery for NC and other states at 1 meter. Since ~2010 it has been 4 band
- We have statewide aerials for 2004, 2005, 2006, 2008, 2009, 2010, 2012, 2014 and 2016. NC is scheduled to be flown again in 2019
- USDA alone supports 88% of the acquisition contract costs and all of administrative costs
- Department of Interior (USGS, US Fish, BLM and Wildlife) contributes the other 12%

# Risk Reduction Alternates

Aerial Photography Field Office

Alternate	Program Risk	Partner Induced Risk	Cost Risk	Meets 3-yr cycle
Increase partnerships	High (tried countless times over the life of program)	High (no change in current model)	Low (if fully funded)	Yes
Remove full state coverage (Ag land only)	Low	N/A	Medium (will lose economy of scale)	Likely
Collect "High Ag" states only	Low	N/A	Low	No
COTS (licensed data)	Low	N/A	Low	Yes

- FSA thinks their costs can be reduced by half, if they license the data
- Licensed data will not be shared outside USDA/FSA (without a cost)
- FSA sees the COTS option as the only low risk approach





Above -- NCDA&CS's 1m Tree Land Cover dataset that was derived from 4 band NAIP.

Above Right -- The most commonly used land cover data is the National Land Cover Dataset (NLCD). This dataset is derived from 30m satellite imagery. Above is an image of forest classification.



Left -- Deriving tree land cover/canopy from LIDAR is a relatively new way to delineate land cover. In addition to tree land cover, it can also find the height creating a "Tree Canopy" dataset. The left Image is 20m resolution was derived from NC Emergency Management QL2 LIDAR. Complement of Doug Newcombe of FWS.