

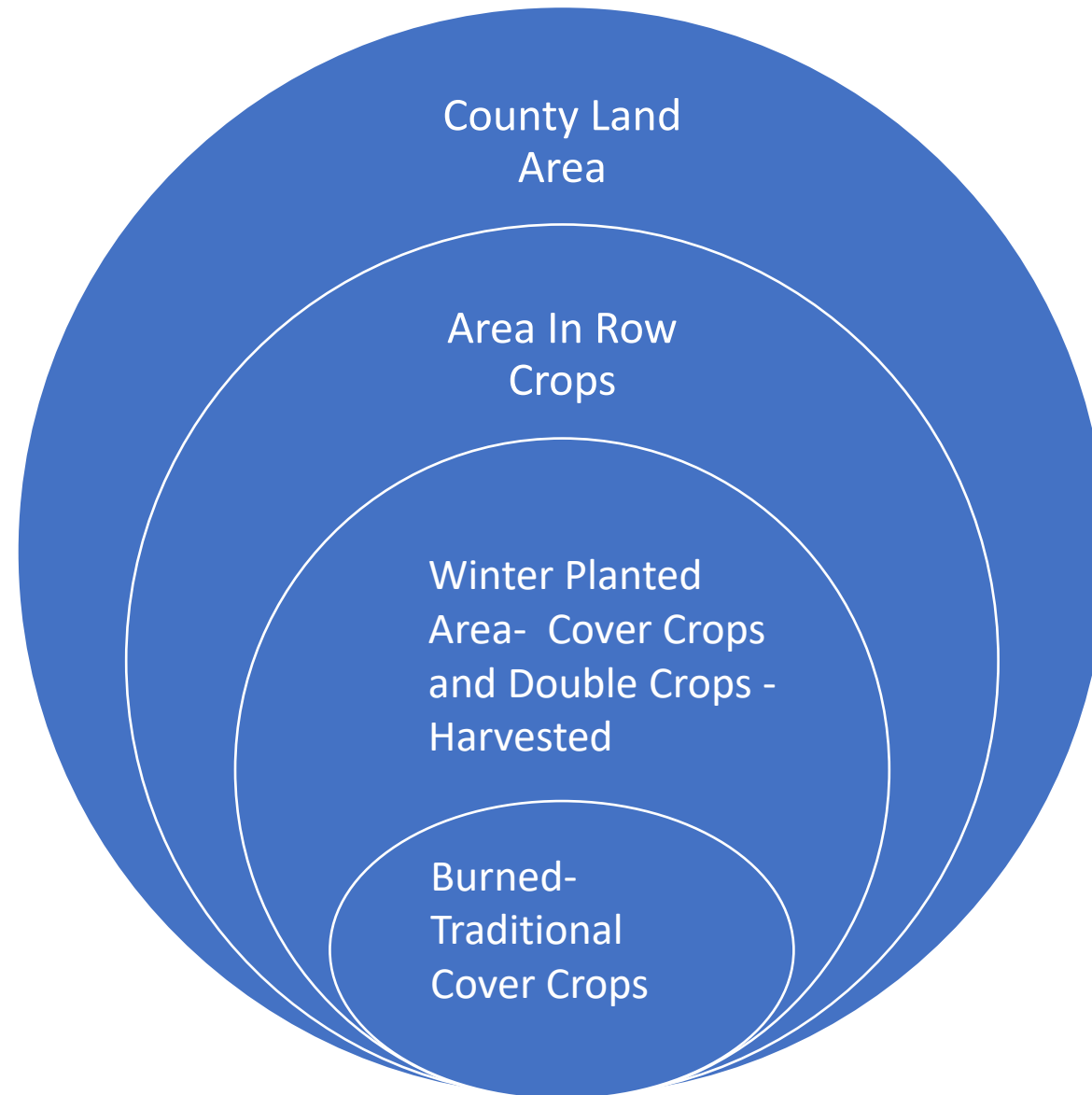
PADEP Proposal for Commodity Cover Crop Reporting

For AgWG Meeting May 19, 2022

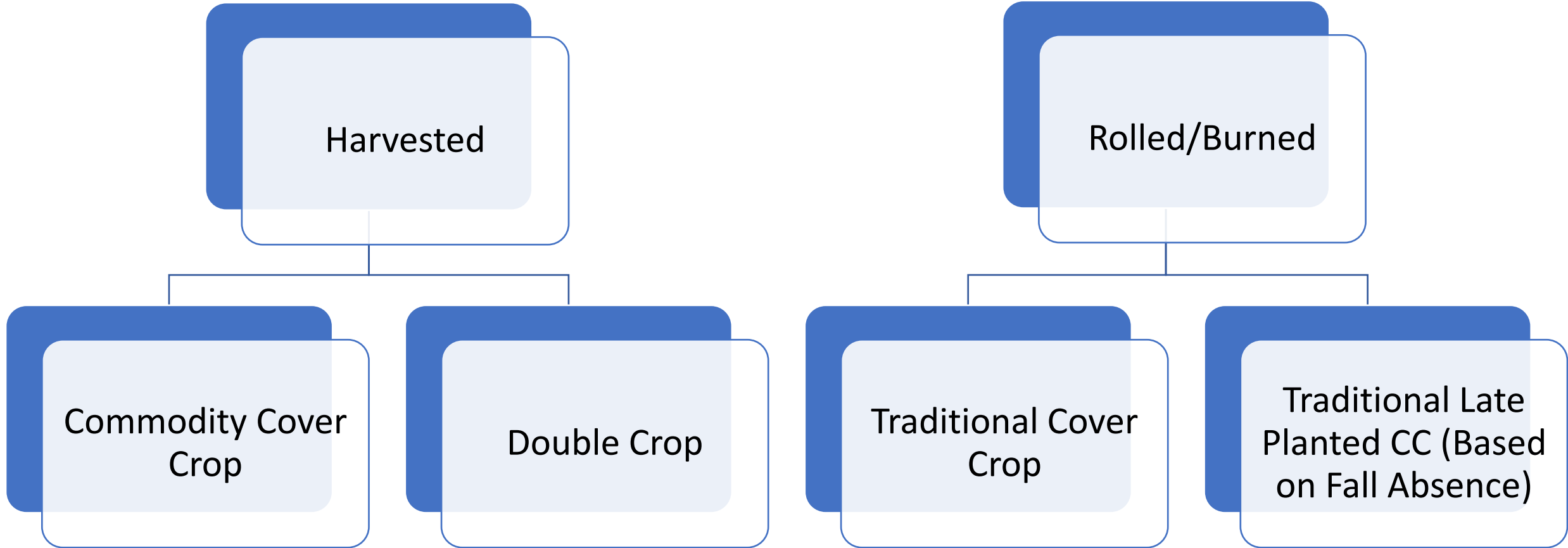
Transect Survey Method

- Approved for Traditional Cover Crops by AgWG - Nov. 21, 2016
- Routes and Waypoints Developed in Counties with >50k Crop Acres
- Conducted on Two-Year Rotations, Roughly 13-14 Counties Per Year
- Three Member Team - Driver, Observer, Recorder over 2-3 days
- QC Field Inspection Conducted Following Data Collection
- Fall Observations – Planting of Winter Cover and Prior Crop Type
- Spring Observations – Fate of Winter Cover, New Crop, Residue %
- Reported as a Percentage of Observations and Extrapolated to the County Row Crop Acreage Reported in CBWS Current Year Base Conditions Report

Transect Survey Data Objectives



How Spring Transect Observations Define Cover Crop Types

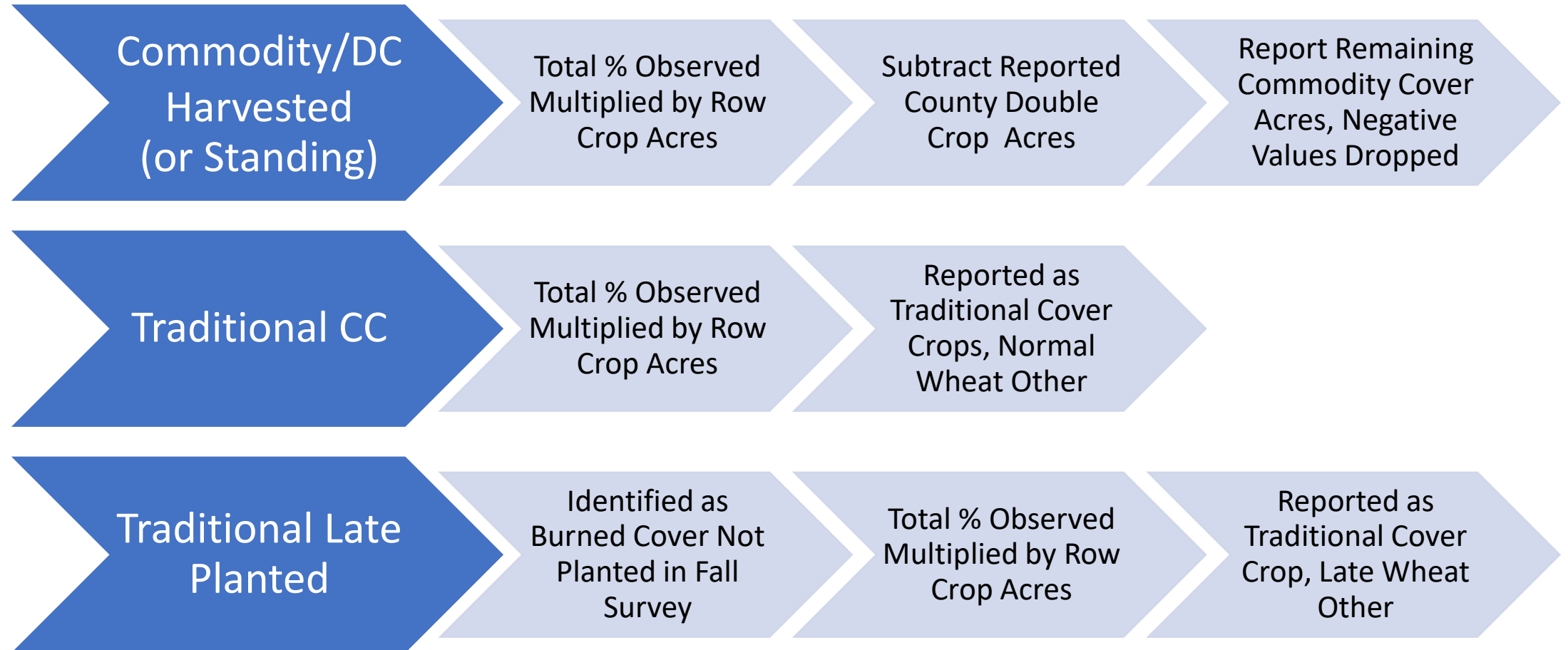


2021 Spring Crop Residue and Cover Crop Survey

October 22, 2021

County	Crop	% at each residue level				Total # Obser.	Cover Crop Results		
		<15%	15-30%	30-60%	>60%		Winter Cover	Trad.	Late Planted CC
County 1	AOC	0.0	33.3	0.0	66.7	3	3.8	32.0	0.0
	BEANS	13.6	15.2	8.5	62.7	177			
	CORN	8.6	4.8	8.0	78.6	210			
	FORAGE	50.0	0.0	0.0	50.0	2			
	SPR GR	0.0	0.0	0.0	100.0	4			
	VEG	100.0	0.0	0.0	0.0	1			
	All Crops	11.1	9.6	8.0	71.3	397			
County 2	BEANS	25.5	42.1	25.5	6.9	102	13.8	20.7	0.9
	CORN	48.9	35.9	10.7	4.5	270			
	FORAGE	0.0	0.0	0.0	100.0	1			
	SPR GR	88.2	5.9	0.0	5.9	17			
	VEG	80.0	0.0	0.0	20.0	5			
	All Crops	44.8	35.7	13.9	5.6	395			
County 3	BEANS	12.5	2.5	35.0	50.0	40	23.8	39.3	0.0
	CORN	11.3	24.6	30.1	34.0	362			
	FORAGE	0.0	0.0	0.0	100.0	1			
	All Crops	11.5	22.3	30.5	35.7	403			

Calculation Process to Report Acres



Cover Crop Calculation Worksheet

County	Acres*	CovCrop %	CovCrop AC	Winter Cover %	Winter Cover Ac	Late CC%	Late CC AC	
County 1	87,468	0.038	3324	0.3200	27990	0.0020	174.9	2021 survey
County 2	58,169	0.138	8027	0.2070	12041	0.0090	523.5	2020 survey
County 3	126,263	0.0893	11275	0.0030	379	0.0070	883.8	2019 survey
County 4	36,610	0.238	8713	0.3930	14388	0.0020	73.2	Minimum
County 5	69,290	0.1822	12625	0.0030	208	0.0070	485.0	
County 6	36,167	0.513	18554	0.0480	1736	0.0290	1048.8	
County 7	470	0.0478	22	0.0480	23	0.0020	0.9	
County 8	8,111	0.0478	388	0.0480	389	0.0020	16.2	
County 9	52,829	0.1088	5748	0.0030	158	0.0070	369.8	
County 10	63,185	0.0478	3020	0.0480	3033	0.0020	126.4	

Correction to Remove Double Crop Acres

County	Winter Cover Acres	Co Double Crop Acres from LU Tab	Proposed Report as Commodity
1	5,209.68	2,493.25	2,716.43
2	12,041.02	10,582.22	1,458.80
3	378.79	1,195.76	0.00
4	14,387.84	4,182.17	10,205.66

Conclusions

- Since 2016 Transect Surveys are an approved data collection/reporting method for Traditional Cover Crops
- We are seeking support in allowing Transect Survey methods to also report Commodity Cover Crops through Double Crop acreage removal
- We know that there are more than zero acres of Commodity Cover Crop being planted and need a means to report these acres in order to meet WIP targets
- We welcome your questions and other suggested approaches regarding this proposal to collect and report Commodity Cover Crops. We'll return next month to address any follow-up questions and share suggestions we have received
- Please contact Ted Tesler, Frank Schneider, or Kate Bresaw (PA AgWG) with your questions, comments, or suggestions