

2010 FLUE-CURED TOBACCO PRODUCTION PRACTICE SURVEY SUMMARY

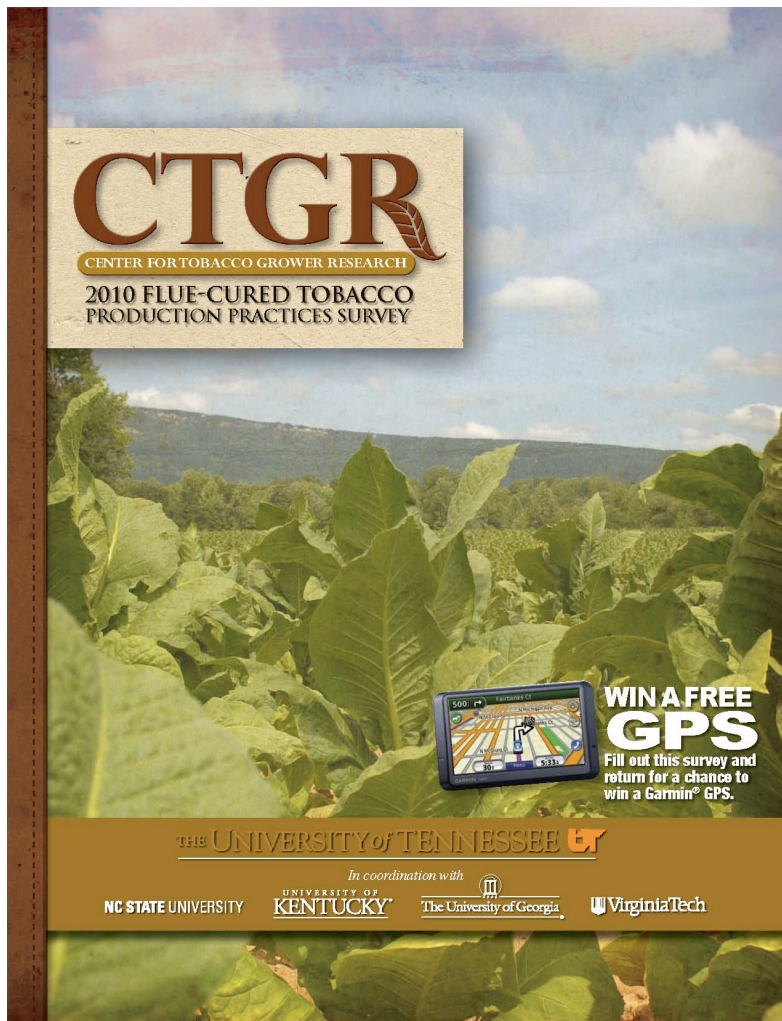


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I. PRODUCTION

1. How many acres of flue-cured tobacco did you harvest in 2009 and 2010? (acres)

	N	Min	Max	Mean	Median	Std
Harvested acres of flue-cured in 2009	145	5	505	93	65	86
Harvested acres of flue-cured in 2010	140	3	550	97	69	91

2. What was your 2009 and 2010 yield per acres for harvested flue-cured tobacco? (pounds per acre)

	N	Min	Max	Mean	Median	Std
Yield per acre of flue-cured in 2009	145	615	3525	2480	2500	512
Yield per acre of flue-cured in 2010	141	1150	3500	2382	2400	479
Average price per lb. of flue-cured in 2009	137	1.13	1.97	1.77	1.79	0.11

3. What was your flue-cured tobacco average sales price in 2009, including any additional payments (contract incentives) by the purchaser? (\$ per lb)

	N	Min	Max	Mean	Median	Std
Average price per lb. of flue-cured in 2009	137	\$1.13	\$1.97	\$1.77	\$1.79	\$0.11

4. How many stalk positions/grades do you normally market from flue-cured tobacco

Responses	N	%
Less than three	1	0.7
Three	52	36.1
Four	84	58.3
More than four	7	4.9

5. Did you purchase or produce tobacco plants in 2010?

Responses	N	%
I purchased all my flue-cured tobacco plants	51	35.7
I purchased the majority but not all of my flue-cured tobacco plants	1	0.7
I produced all of my flue-cured tobacco plants	67	46.8
I produced the majority but not all of my flue-cured tobacco plants	24	16.8

6. How many plants did you set per acre in your 2010 flue-cured tobacco crop?

N	Min	Max	Mean	Median	Std
137	2,400	8,625	5,945	6,000	691

7. Did you use no-till or strip till in any of your 2010 flue-cured tobacco crop?

Response	N	%
Yes	3	2.1
No	142	97.9

8. Did you have a soil test done before planting this year (2010)?

Response	N	%
Yes	101	70.1
No	43	29.9

II. LABOR

9. Please list the number of workers employed in each labor category for your 2010 flue-cured tobacco crop?

Categories		N	Min	Max	Mean	Median	Std
Family	Full-time	94	1	6	2	2	1
	Part-time	61	1	6	2	2	1
Non-family and non-H-2A	Full-time	67	1	37	5	3	6
	Part-time	82	1	39	6	3	7
H-2A workers	Full-time	55	2	30	9	6	6
	Part-time	26	2	21	6	6	4

10. Please estimate the total number of hours (including both family and hired labor) worked in each of the following categories for your 2010 flue-cured tobacco crop? (REVISED)

Categories	N	Min	Max	Mean	Median	Std
Before transplanting	77	0.4	120.0	8.0	3.6	15.4
During transplanting	85	0.7	150.0	14.2	8.4	23.0
Between transplanting and harvest	85	0.8	91.7	27.6	20.0	22.4
During harvest and housing	83	3.8	150.0	51.7	42.0	33.5
During stripping/baling and other market preparation	77	1.1	100.0	14.9	10.0	15.9
Total per acre	86	35.7	280	111.7	96.7	69.0

11. Please estimate the total number of hired and family workers for each of the following categories in your 2010 flue-cured tobacco crop.

Categories		N	Min	Max	Mean	Median	Std
Before transplanting	Hired	67	1	12	3	2	2
	Family	95	1	6	2	2	1
During transplanting	Hired	118	1	23	7	6	4
	Family	95	1	6	2	2	1
Between transplanting and harvest	Hired	112	1	79	7	5	9
	Family	92	1	6	2	2	1
During harvest and housing	Hired	119	1	38	9	7	6
	Family	92	1	7	3	2	1
During stripping/baling and other marketing preparation work	Hired	116	2	30	7	6	5
	Family	87	1	6	2	2	1

12. What other expenses (other than wages and required social security withholdings) will you have for your non-H-2A workers in your 2010 flue-cured tobacco crop?

Items	Responses	N	%
Don't have other expenses	Yes	44	30.6
	No	100	69.4
Utilities	Yes	48	33.3
	No	96	66.7
Meals	Yes	26	18.1
	No	118	81.9
Housing	Yes	44	30.6

Items	Responses	N	%
	No	100	69.4
Workers' compensation insurance	Yes	59	41.0
	No	85	59.0
Day-to-day transportation	Yes	65	45.1
	No	79	54.9
Others	Yes	10	7.0
	No	133	93.0

13. Types of other expenses listed by respondents.

Types of expenses
1st week of groceries
Bus fees
Clothes, insurance, school etc.
Rain suits
Repairs on what breaks
Snacks
Transportation for food, shopping

III. MACHINERY AND EQUIPMENT

14. Do you mechanically harvest your flue-cured tobacco?

Responses	N	%
Yes	67	51.1
No	64	48.9

15. Did you use the following machinery and equipment on flue-cured tobacco in 2010

Equipments	Responses	N	%
High clearance sprayer (Hi-boy)	Yes	84	58.3
	No	60	41.7
1-row planter	Yes	7	4.9
	No	137	95.1
2-row planter	Yes	51	35.4
	No	93	64.6
4-row planter	Yes	82	56.9
	No	62	43.1
Larger than 4-row planter	Yes	7	4.9

Equipments	Responses	N	%
	No	137	95.1
Types of larger than 4-row planter	6 row	1	16.7
	8 row	5	83.3
Mechanical Harvester	Yes	75	52.1
	No	69	47.9
Sand Reel	Yes	11	7.6
	No	133	92.4
Automated box loaders	Yes	35	24.3
	No	109	75.7
Conveyer belt	Yes	28	19.4
Big baler with scales	Yes	109	75.7
	No	35	24.3
Big balers without scales	Yes	25	17.4
	No	119	82.6
Don't use any of the above listed equipments	Yes	3	2.1
	No	141	97.9

IV. LAND

16. Percent of growers who grew some or their entire 2010 flue-cured tobacco crop on land that they owned.

	N	%
Yes	112	78.3
No	31	21.7

17. Average number of flue-cured tobacco on a farm grown on land that was owned.

N	Min	Max	Mean	Median	Std
112	1	200	36	25	34

18. Percent of growers who grew some or their entire 2010 flue-cured tobacco crop on land that they rented.

	N	%
Yes	122	87.1
No	18	12.9

19. Average number of acres of flue-cured tobacco on a farm grown on land that was rented.

N	Min	Max	Mean	Median	Std
122	3	410	79	56	79

20. Proportion of total flue-cured acres per farm that were grown on land that was owned and rented.

	N	Min	Max	Mean	Median	Std
Owned	142	0	1	0.39*	0.33	0.34
Rented	142	0	1	0.61	0.69	0.33

* On the average flue-cured tobacco farm, 39% of the flue-cured tobacco crop was grown on land that was owned.

21. Land Rental Prices (\$ per acre)

	N	Min	Max	Mean	Median	Std
If you rented land, what was the average price you paid per acre to rent the land used in 2010 flue-cured tobacco operation?	116	10	240	71	65	33

V. OTHER ITEMS

22. Did you have crop insurance for your 2010 flue-cured tobacco crop?

Responses	N	%
Yes	131	91.0
No	13	9.0

23. Did you have operating loans for your 2010 flue-cured tobacco crop?

Responses	N	%
Yes	96	66.7
No	48	33.3

24. What type of irrigation system do you use on your flue-cured tobacco crop?

Irrigation system	Responses	N	%
Don't irrigate	Yes	56	39.2
	No	87	60.8
Center pivot	Yes	5	3.5

Irrigation system	Responses	N	%
	No	139	96.5
Travelling Gun	Yes	49	34.0
	No	95	66.0
Movable pipe with gun or overhead sprinklers	Yes	57	39.6
	No	87	60.4
Drip system	Yes	1	0.7
	No	143	99.3
Others	Yes	-	-
	No	144	100

25. Percent of growers who had the capability to irrigate their 2010 flue-cured tobacco crop.

	N	%
Yes	92	69.2
No	41	30.8

26. Average number of acres of flue-cured tobacco on a farm that could be irrigated by those who had the capability.

N	Min	Max	Mean	Median	Std
92	3	262	64	48	57

27. Proportion of total flue-cured tobacco acres that could be irrigated.

N	Min	Max	Mean	Median	Std
142	0	1	0.47	0.48	0.42

*Of those that can irrigate, on average they can only irrigate 47% of their flue-cured tobacco crop.

28. Percentage of total flue-cured tobacco acres represented in this survey that have the capability of being irrigated.

Total flue-cured tobacco acres represented in survey (<i>owned plus rented</i>)	13,622.95
Total number of flue-cured tobacco acres that have the capability of being irrigated	5,926.90
Percentage of total flue-cured tobacco acres that can be irrigated	0.44

29. Please specify any Local/State/Federal programs or grants (including cost-share assistance) you have applied to help in your tobacco operation.

Responses
Automated curing controls N C Farm Bureau
Federal crop insurance
Migrant housing repair grant

30. Do you grow other types of tobacco besides flue-cured tobacco?

Response	N	%
Yes	22	15.9
No	116	84.1

31. Types of other tobacco listed by respondents.

Responses	N	%
VA dark fire	1	5.9
Burley and dark fire	1	5.9
Burley	13	76.5
Burley and air cured	1	5.9
Dark air, burley, dark fire	1	5.9

VI. CURING MATERIALS

32. What is your expected total cost for electricity for your 2010 flue-cured tobacco crop?

	N	Min	Max	Mean	Median	Std
Expected cost for electricity per acre	109	40	566	134	125	81

33. How many pounds of flue-cured tobacco can you cure per gallon of curing fuel/propane?

Curing costs	N	Min	Max	Mean	Median	Std
Pounds of flue-cured that you can cure per gallon of curing	91	4.0	20.0	9.3	9.0	2.8

fuel/propane						
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VII. FERTILIZER AND CHEMICALS

34. When do you purchase the majority of fertilizer for your flue-cured tobacco crop?

Response	N	%
Winter(December, January, February)	23	17.2
Spring (March, April, May)	108	80.6
Summer (June, July, August)	2	1.5
Fall (September, October, November)	1	0.8

35. Average amount of fertilizer used on your flue-cured tobacco crop

Fertilizer	N	Min	Max	Mean	Median	Std
Nitrogen	109	51	134	76	72	18
Phosphorus	109	0	204	75	66	44
Potassium	109	0	378	173	168	57

36. Did you use the following insecticides on flue-cured tobacco by 2010?

Insecticides	Responses	N	%
Acephate	Yes	88	63.3
	No	51	36.7
Actara	Yes	-	-
	No	139	100
Admire	Yes	99	71.2
	No	40	28.8
Alias 2F	Yes	9	6.5
	No	130	93.5
Advise 2F	Yes	-	-
	No	139	100
Assail	Yes	-	-
	No	139	100
Belt	Yes	56	40.3
	No	83	59.7
Nuprid	Yes	5	3.6
	No	134	96.4
Widow 2F	Yes	10	7.2
	No	129	92.8

Insecticides	Responses	N	%
Capture	Yes	6	4.3
	No	133	95.7
Coragen	Yes	36	25.9
	No	103	74.1
Denim	Yes	2	1.4
	No	137	98.6
DiPel	Yes	45	32.4
	No	94	67.6
Endosulfan	Yes	3	2.2
	No	136	97.8
Fulfill	Yes	-	-
	No	139	100
Grizzly	Yes		
	No	139	100
Karate	Yes	3	2.2
	No	136	97.8
Lambda Cy	Yes	-	-
	No	139	100
Lannate	Yes	9	6.5
	No	130	93.5
Lepinox	Yes		
	No	139	100
Lorsban	Yes	31	22.3
	No	108	77.7
Mocap	Yes	6	4.3
	No	133	95.7
Tracer	Yes	61	43.9
	No	78	56.1
Torrent	Yes	1	0.7
	No	138	99.3
Orthene	Yes	85	61.2
	No	54	38.9
Platinum	Yes	4	2.9
	No	135	97.1
Provado	Yes	1	0.7
	No	138	99.3
Sevin	Yes	7	5.0
	No	132	95.0
Silencer	Yes	-	-

Insecticides	Responses	N	%
	No	139	100
T-Moxx	Yes	-	-
	No	139	100
Warrior I	Yes	3	2.2
	No	136	97.8
Warrior T	Yes	-	-
	No	139	100
Warrior II	Yes	3	2.2
	No	136	97.8

37. Did you use the following fungicides on flue-cured tobacco by 2010?

Fungicides	Responses	N	%
Acrobat	Yes	6	4.3
	No	133	95.7
Actigard	Yes	5	3.6
	No	134	96.4
Agrimycin 17	Yes	-	-
	No	139	100
Dithane	Yes	15	10.8
	No	124	89.2
Firewall	Yes	1	0.7
	No	138	99.3
Forum	Yes	-	-
	No	139	100
Manzate	Yes	-	-
	No	139	100
Penncozeb	Yes	1	0.7
	No	138	99.3
Quadris	Yes	60	43.2
	No	79	56.8
Ridomil Gold/ Ultra Flourish	Yes	57	41.0
	No	82	59.0
Streptomycin	Yes	2	1.4
	No	137	98.6
Terramaster	Yes	18	13.0
	No	121	87.1

38. Did you use the following sucker control chemicals by 2010?

Sucker control chemicals	Responses	N	%
DNA (such as Butralin, Prime+, Drexalin)	Yes	108	77.7
	No	31	22.3
MH (such as Royal MH-30, Fair Plus)	Yes	99	71.2
	No	40	28.8
Fatty Alcohol (such as Sucker Plucker, Off-shoot T, Fair 85)	Yes	110	79.1
	No	29	20.9

39. Did you use the following herbicides by 2010?

Herbicides	Responses	N	%
Acumen	Yes	4	2.9
	No	135	97.1
Aim	Yes	1	0.7
	No	138	99.3
Command	Yes	82	59.0
	No	57	41.0
Devrinol 50 DF	Yes	25	18.0
	No	114	82.0
Devrinol 2E	Yes	4	2.9
	No	135	97.1
Poast	Yes	22	15.8
	No	117	84.2
Prowl	Yes	44	31.7
	No	95	68.4
Sparthan	Yes	98	70.5
	No	41	29.5

40. Did you use the following nematicides/fumigants by 2010?

Nematicides/fumigants	Responses	N	%
Nemacur	Yes	4	2.9
	No	135	97.1
Telone II	Yes	7	5.0
	No	132	95.0
Telone C-17	Yes	45	32.4
	No	94	67.6
Vapam	Yes	-	-
	No	139	100

41. Did not use the above chemicals?

Responses	N	%
Yes	11	8.1
No	125	91.9

42. Please list any other chemicals, growth regulators, etc., you have used or expect to use on your flue-cured tobacco crop.

Other Chemicals
Cholorpic
MH 30 Premet
Temik
boll buster ethephon
pop
prep
super boll

43. How many times do you normally apply insecticides to your flue-cured tobacco during the growing season?

Response	N	%
None	2	1.5
One	9	6.5
Two	43	31.2
Three or More	84	60.9

44. Do you use insecticides before transplanting your flue-cured tobacco?

Response	N	%
Yes	104	75.4
No	34	24.6

45. Do you apply insecticides after transplanting your flue-cured tobacco?

Response	N	%
Yes	116	84.7
No	21	15.3

46. How many times do you normally apply fungicides to your flue-cured tobacco during the growing season?

Response	N	%
None	43	32.1
One	61	45.5
Two	27	20.2
Three or More	3	2.2

47. Do you use fungicides before transplanting your flue-cured tobacco?

Response	N	%
Yes	45	36.6
No	78	63.4

48. Do you apply fungicides after transplanting your flue-cured tobacco?

Response	N	%
Yes	70	56.9
No	53	43.1

49. How many times do you normally apply sucker control chemicals to your flue-cured tobacco during the growing season?

Responses	N	%
None	1	0.7
One	24	17.3
Two	24	17.3
Three or More	90	64.8

50. When do you normally apply herbicides to your flue-cured tobacco during the growing season?

Responses	N	%
None	9	7.8
Before transplanting	82	70.7
Within 10 days of transplanting	20	17.2
More than 10 days after transplanting	5	4.3

51. How many times do you normally apply nematicides/fumigants to your flue-cured tobacco during the growing season?

Responses	N	%
None	68	48.9
One	68	48.9
Two	1	0.7
Three or more	2	1.4

VIII. STATES INCLUDED

State	N	%
FL	1	0.7
GA	5	3.4
NC	105	71.0
SC	10	6.8
VA	26	17.6
WI	1	0.7