1. Brown spot disease incidence and its severity in FCV tobacco growing areas of Karnataka 48-49

2. Effect of date of planting and crop age on brown spot disease progress (PDI) in variety FCV SPECIAL 51

3. Effect of date of planting and crop age on brown spot disease progress (PDI) in variety BHAVYA. 52

4. Effect of date of planting and crop age on brown spot disease progress (PDI) in variety SWARNA. 53

5. Effect of date of planting and crop age on brown spot disease progress (r) in variety FCV SPECIAL 55

6. Effect of date of planting and crop age on brown spot disease progress (r) in variety BHAVYA. 56

7. Effect of date of planting and crop age on brown spot disease progress (r) in variety SWARNA. 57

8. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on May 10. (Mean of 3 years) 62

9. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on May 20. (Mean of 3 years) 63

10. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on May 30. (Mean of 3 years) 64

11. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on June 10. (Mean of 3 years) 65

12. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on June 20. (Mean of 3 years) 66

13. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on June 30. (Mean of 3 years) 67

14. Influence of meteorological factors and crop age on brown spot PDI during each harvest of the crop planted on July 10. (Mean of 3 years) 68

15. Influence of meteorological factors and planting dates on brown spot PDI in tobacco (Mean of 3 years) 69

16. Regression analysis for the variety FCV SPECIAL based on pooled data of three years 74
17. Regression analysis for the variety BHAVYA based on pooled data of three years

18. Regression analysis for the variety SWARNA based on pooled data of three years

19. Post inoculation stages in brown spot symptom expression and identification of acute stage based on production of conidia (Mean of 6 replications)

20. Effect of nitrogen and FYM levels on brown spot disease incidence

21. Effect of potassium levels on brown spot disease incidence.

22. Effect of phosphorous levels on brown spot disease incidence.

23. Common weeds of tobacco fields, tested for their susceptibility to A. alternata and identification of collateral hosts.

24. Survival of Alternaria alternata on host crop residues

25. Conidial production in tobacco debris by Alternaria alternata (Conidia produced / mm$^2$ of infected tissue)

26. Effect of nematode inoculum load on brown spot severity in var. FCV SPECIAL.

27. Effect of planting root-knot infected seedlings on brown spot disease severity in var. FCV SPECIAL.

28. Effect of planting root-knot infected seedlings on brown spot disease severity in var. BEINHART 1000-1

29. Interaction of brown spot with Root- Knot in Variety FCV SPECIAL.

30. Interaction of brown spot with Root-knot in Variety FCV SPECIAL under epiphytotic brown spot conditions -1997-98


32. Yield parameters and market value recorded on brown spot disease rating scale.

33. Analysis of quality parameters

34. Effect of aqueous leaf extracts on mycelial growth of Alternaria alternata.
35. Effect of promising leaf extracts on mycelial growth of *Alternaria alternata*  
36. List of fungicides tested *in vitro* against *A. alternata*  
37. *In vitro* evaluation of chemicals against *A. alternata* - Mean mycelial growth (mm) on seventh day  
38. *In vitro* evaluation of chemicals against *A. alternata* - % conidial germination after 24 hours  
39. Effect of fungicides on brown spot disease and yield parameters of tobacco (pooled data for two years).  
40. Effect of fungicides on brown spot disease of tobacco under different harvest conditions (pooled data for three years).  
41. Economic efficiency of fungicides in the management of the disease under timely harvest conditions.  
42. Economic efficiency of fungicides in the management of the disease under delayed harvest conditions.  
43. Effect of fungicide spray schedules on brown spot disease of tobacco (pooled data for two years).  
44. Economics of fungicide spray schedules for brown spot management.  
45. Germplasm evaluation for brown spot resistance - 1996-97  
46. Germplasm evaluation for brown spot resistance - 1997-98  
47. Germplasm evaluation for brown spot resistance - 1998-99  
49. Disease intensity in Bhavya x Beinhart 1000-1 cross.  
50. Mode of inheritance in *F₁, F₂* and BC generations in Bhavya x Beinhart 1000-1 cross for brown spot disease resistance.