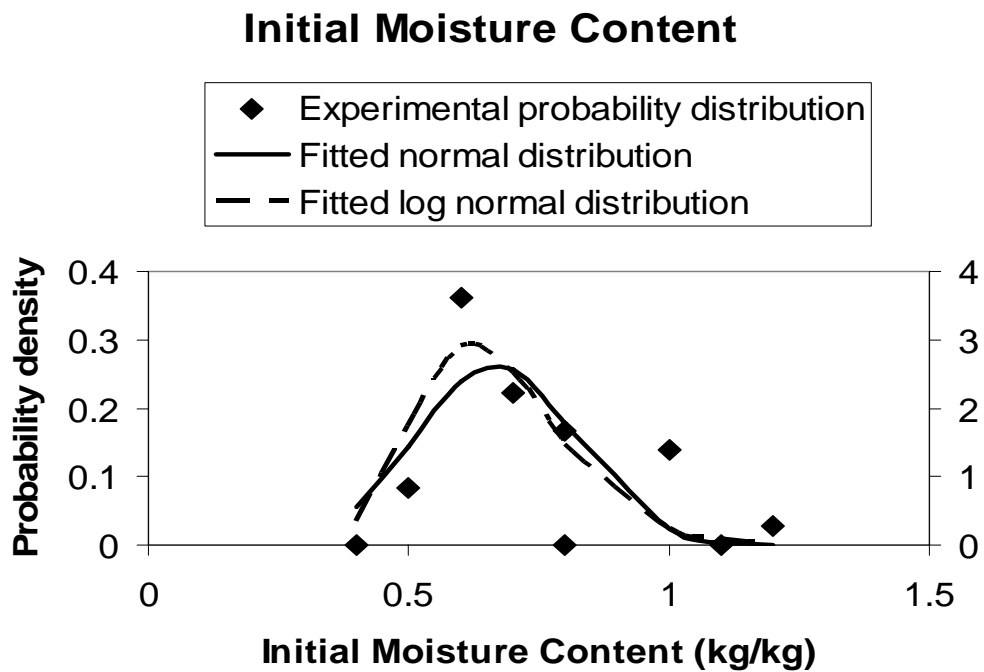


**APPENDIX 4. PROBABILITY DENSITY FUNCTIONS FOR THE TIMBER  
PROPERTIES OF REGROWTH BLACKBUTT TIMBER (WITHIN—TREE AND  
BETWEEN—TREES)**

**A4.1. Probability Density Functions: Regrowth Blackbutt**

*a) Within—Tree Variability*



**Figure A4.1.** Probability density functions for the initial moisture content.

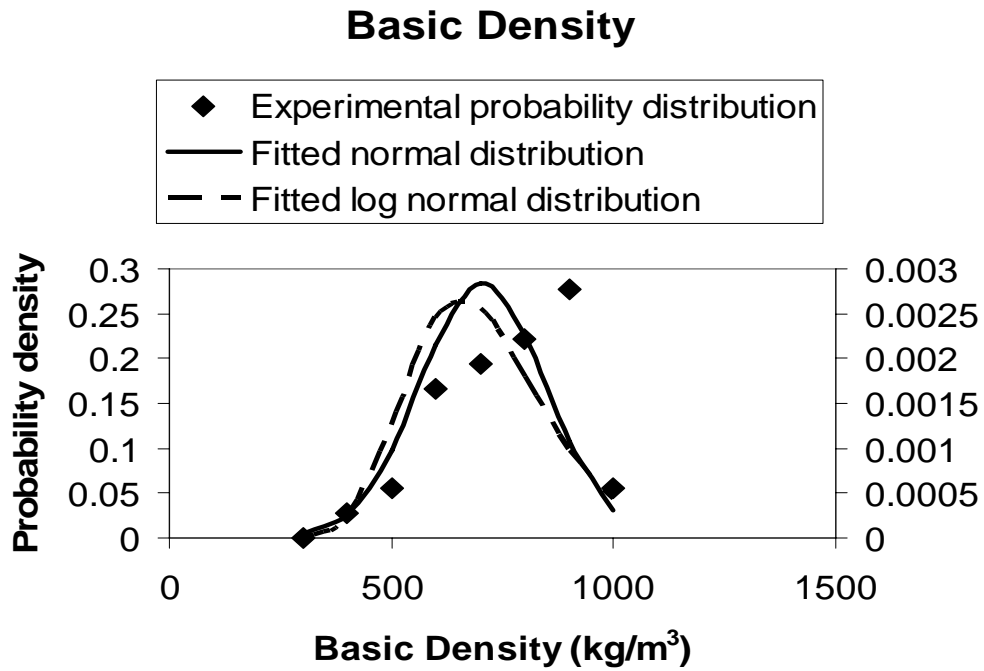


Figure A4.2. Probability density functions for the basic density.

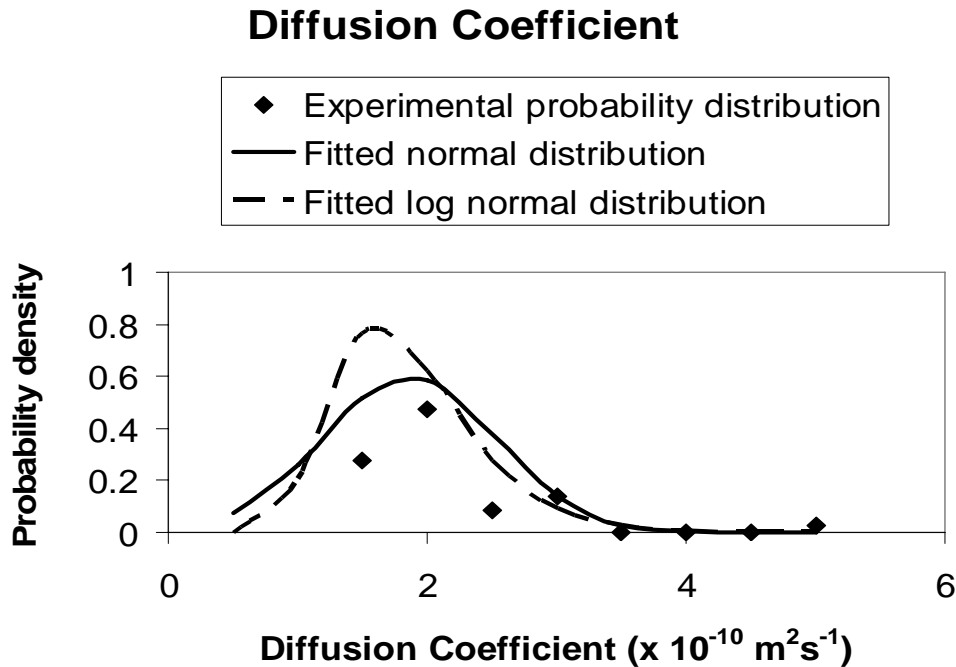


Figure A4.3. Probability density functions for the diffusion coefficient.

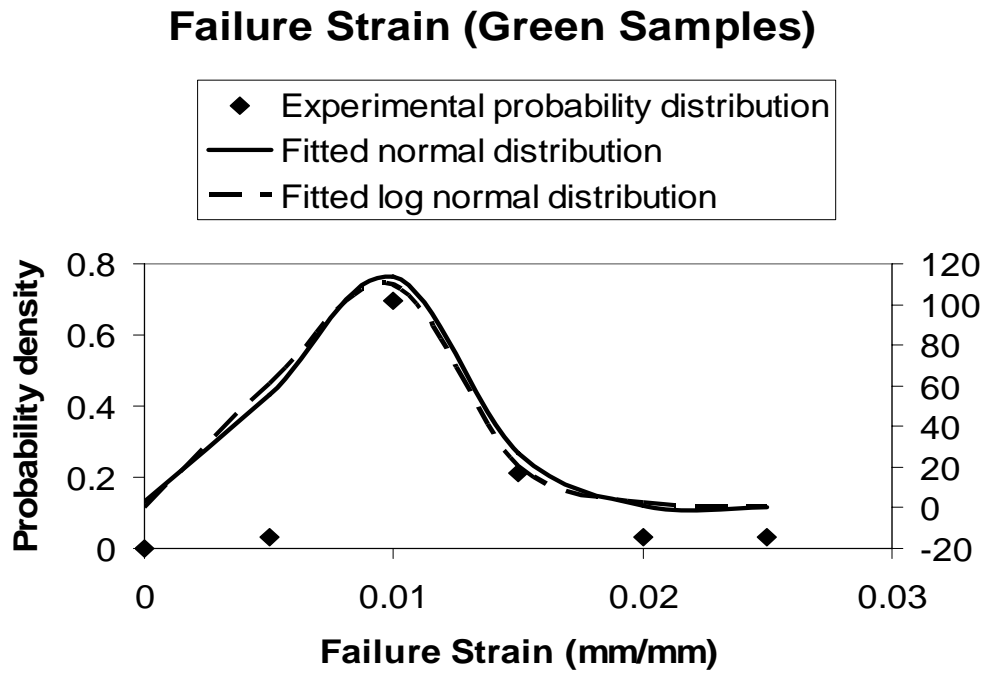


Figure A4.4. Probability density functions for the failure strain of the green samples.

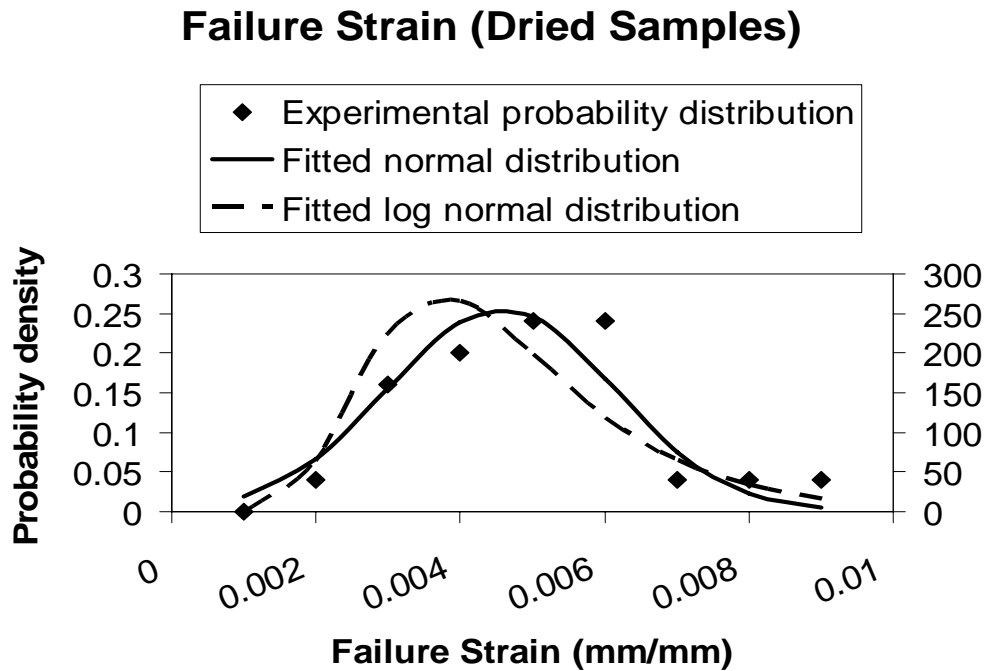


Figure A4.5. Probability density functions for the failure strain of the dried samples.

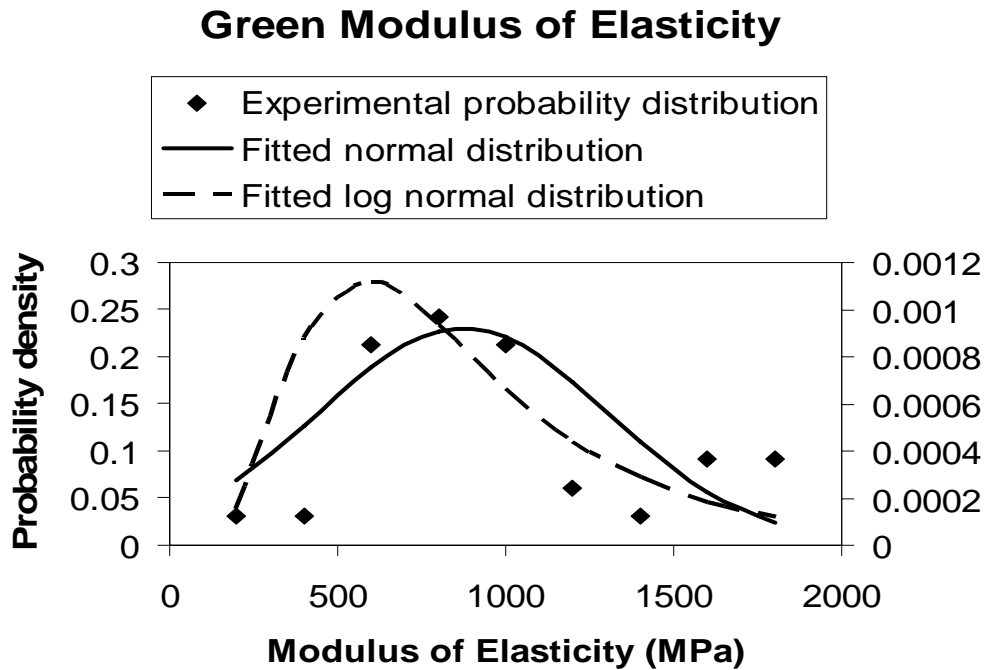


Figure A4.6. Probability density functions for the modulus of elasticity of the green samples.

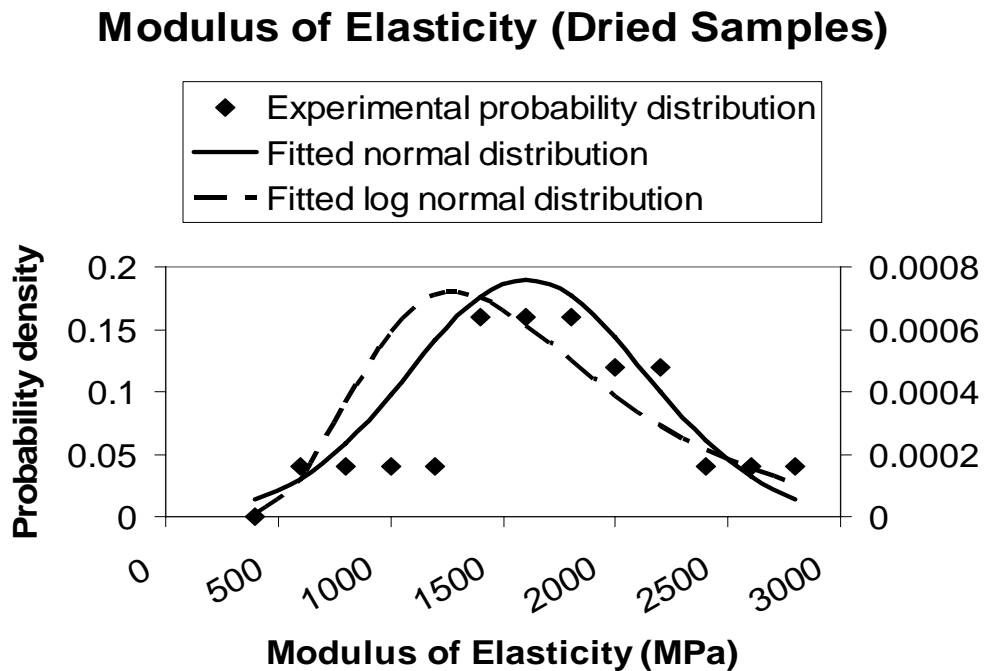


Figure A4.7. Probability density functions for the modulus of elasticity of the dried samples.

### Tangential Shrinkage

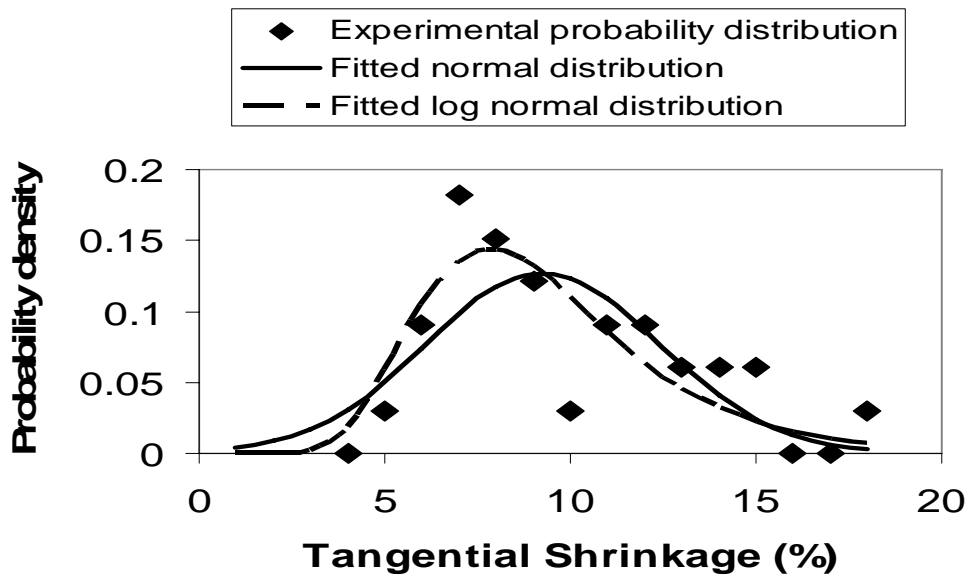


Figure A4.8. Probability density functions for the tangential shrinkage.

### Radial Shrinkage

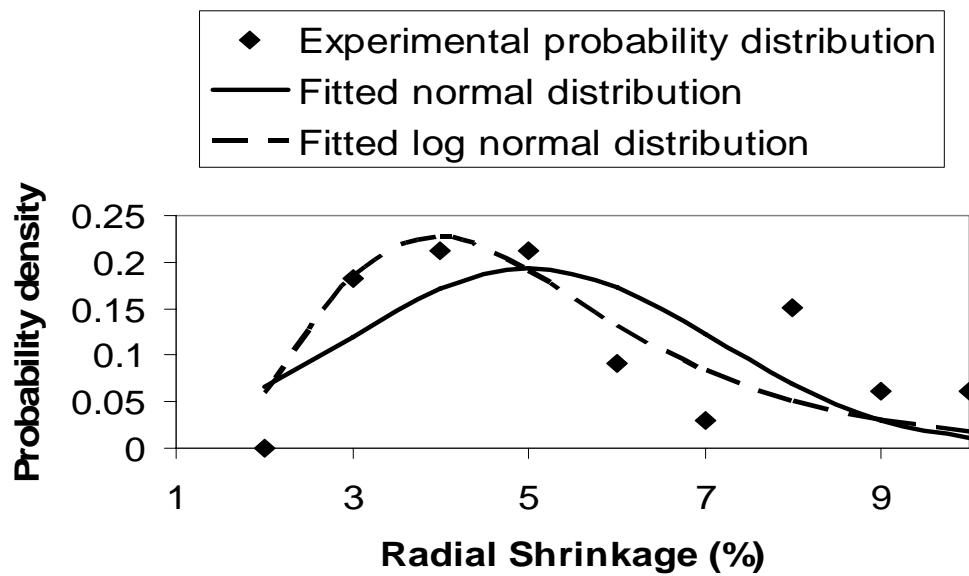


Figure A4.9. Probability density functions for the radial shrinkage.

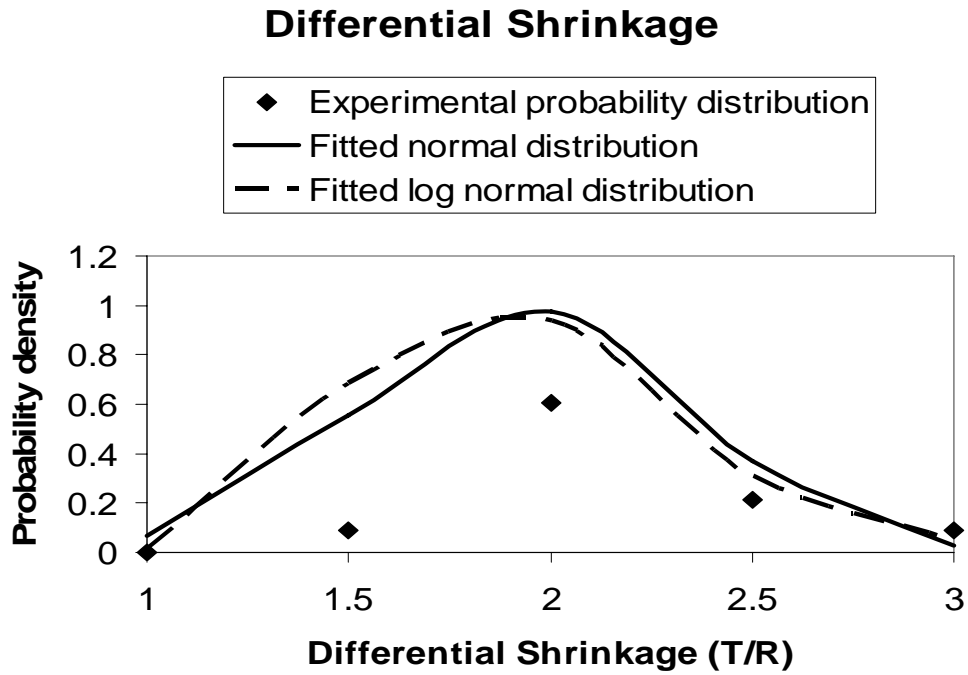


Figure A4.10. Probability density functions for the differential shrinkage.

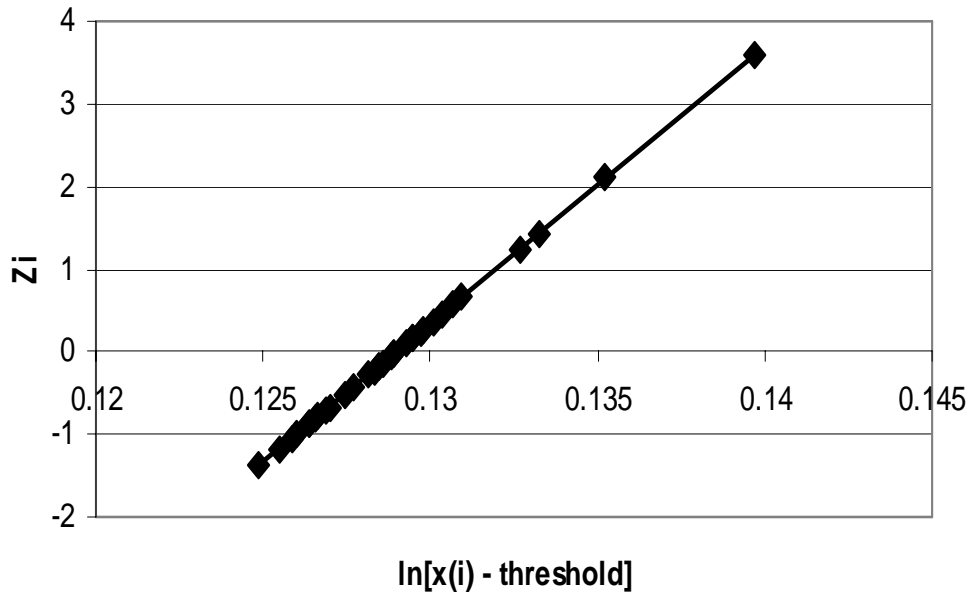


Figure A4.11. Three—parameter lognormal probability plot for the green failure strain  
(considering the threshold).

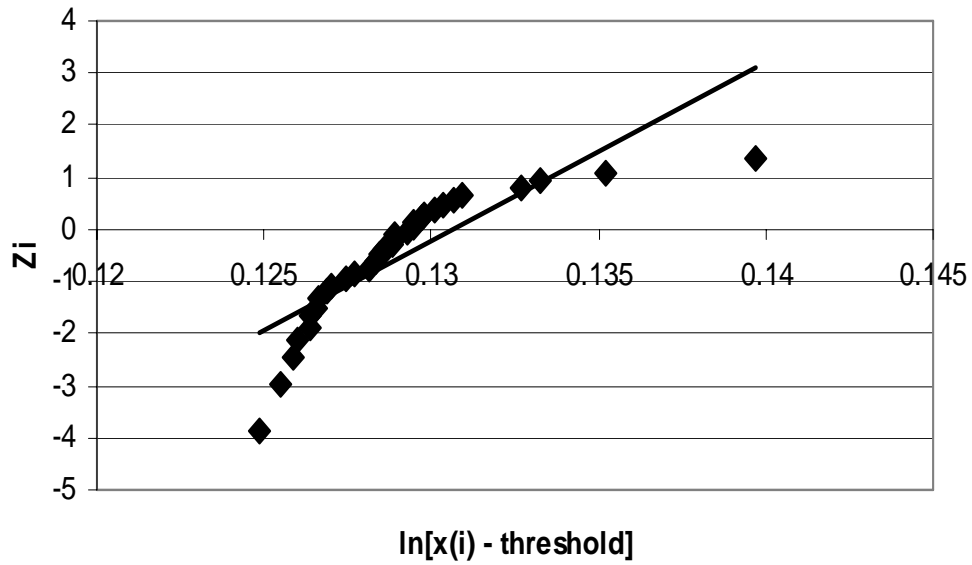


Figure A4.12. Weibull probability plot for the green failure strain.

b) Between—Trees Variability

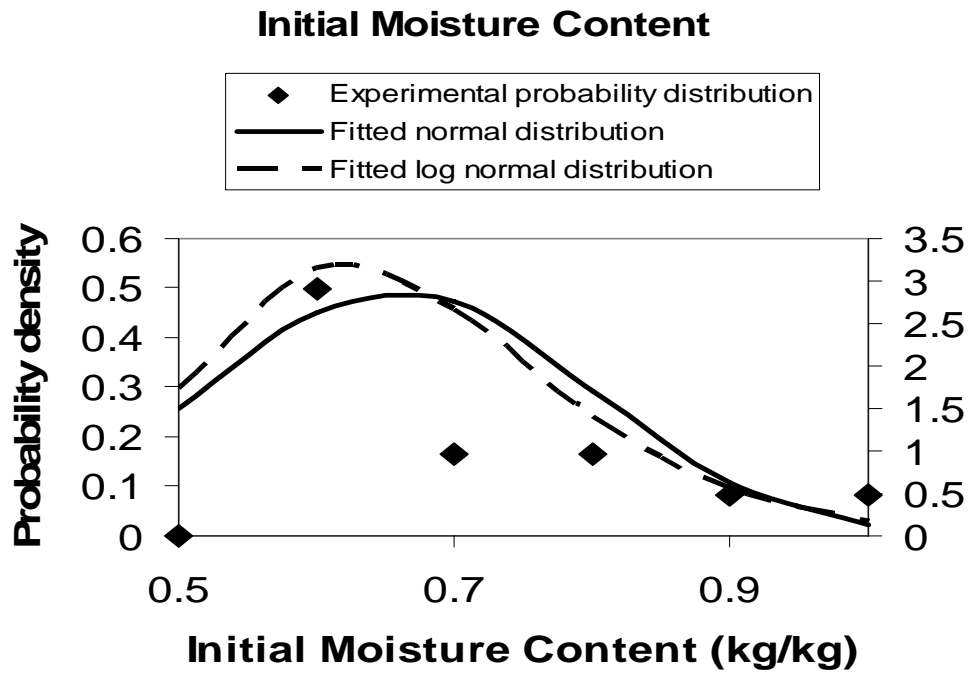


Figure A4.13. Probability density functions for the initial moisture content.

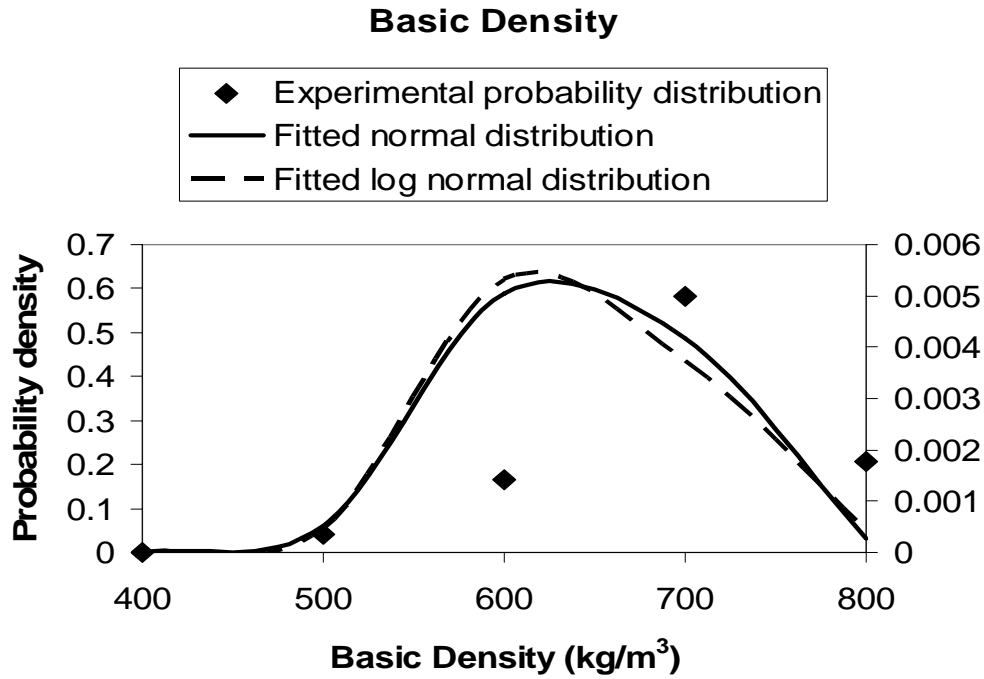


Figure A4.14. Probability density functions for the basic density.

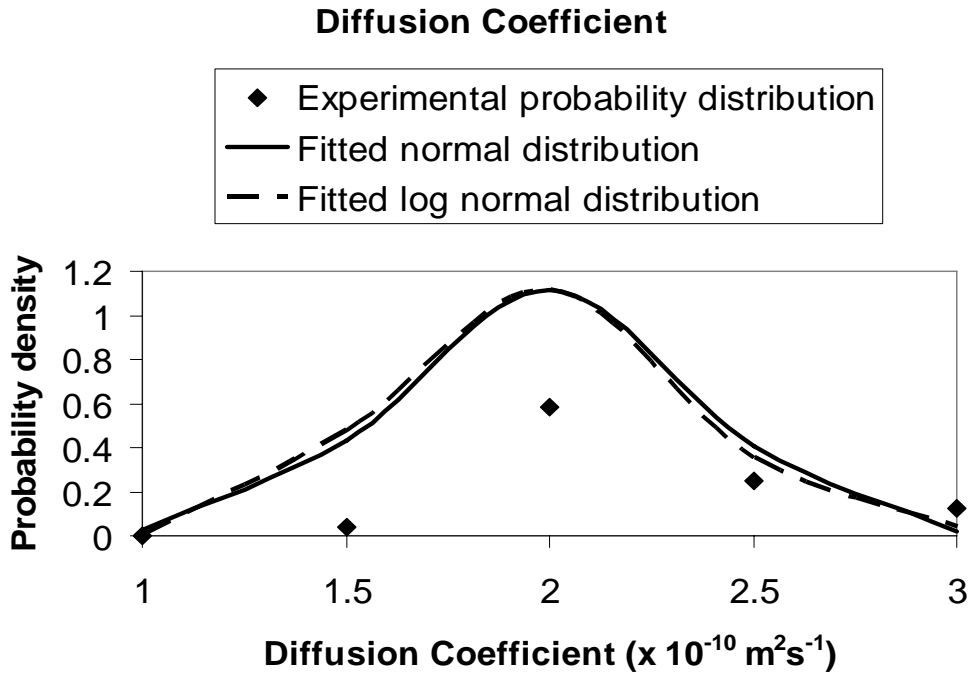


Figure A4.15. Probability density functions for the diffusion coefficient.



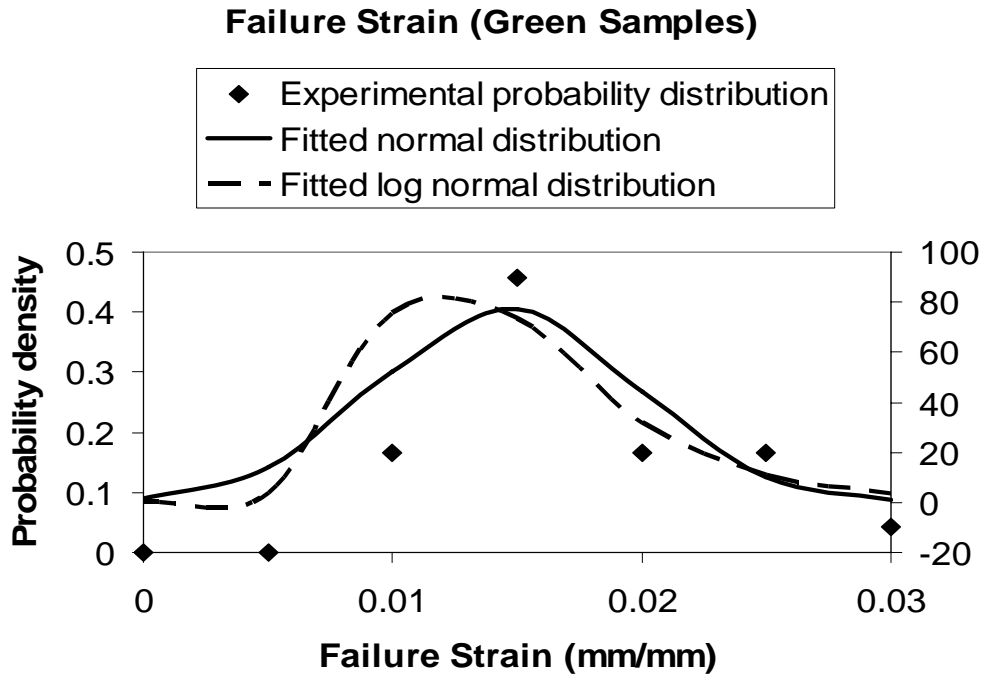


Figure A4.16. Probability density functions for the failure strain of the green samples.

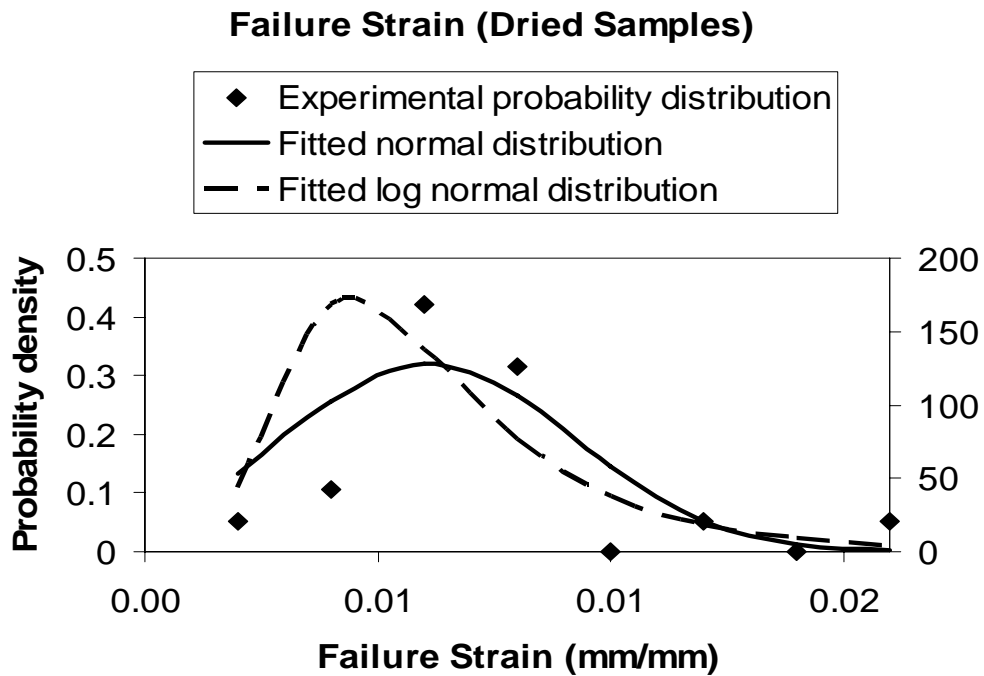


Figure A4.17. Probability density functions for the failure strain of the dried samples.

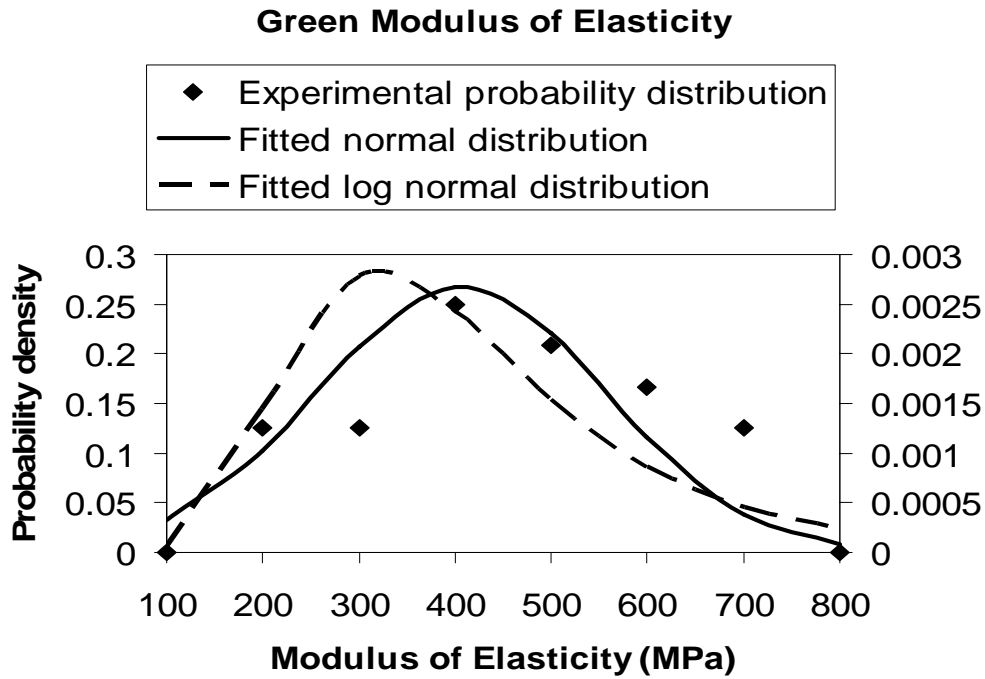


Figure A4.18. Probability density functions for the modulus of elasticity of the green samples.

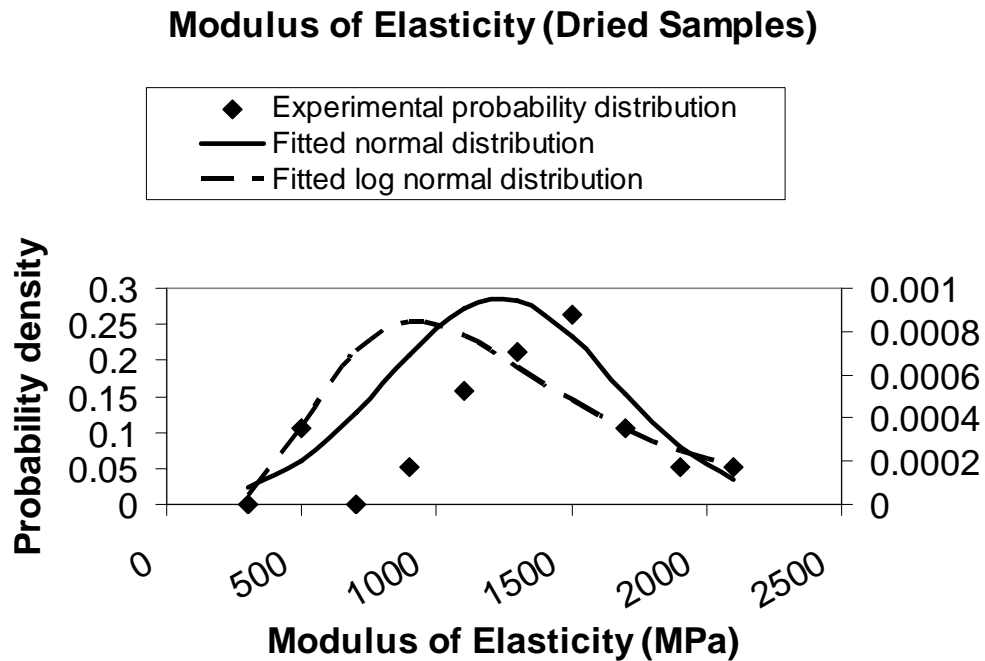


Figure A4.19. Probability density functions for the modulus of elasticity of the dried samples.

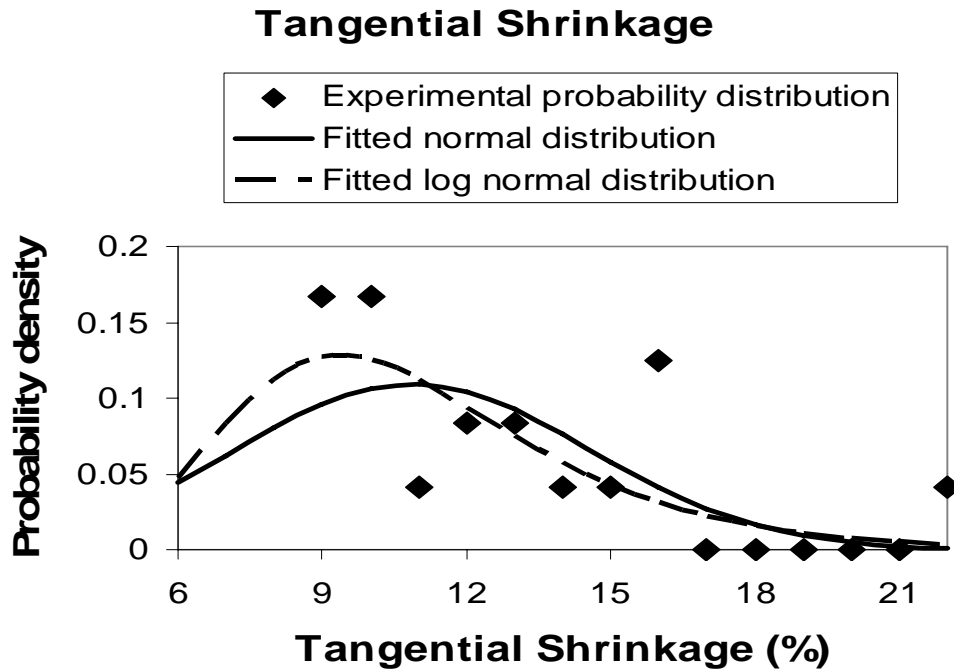


Figure A4.20. Probability density functions for the tangential shrinkage.

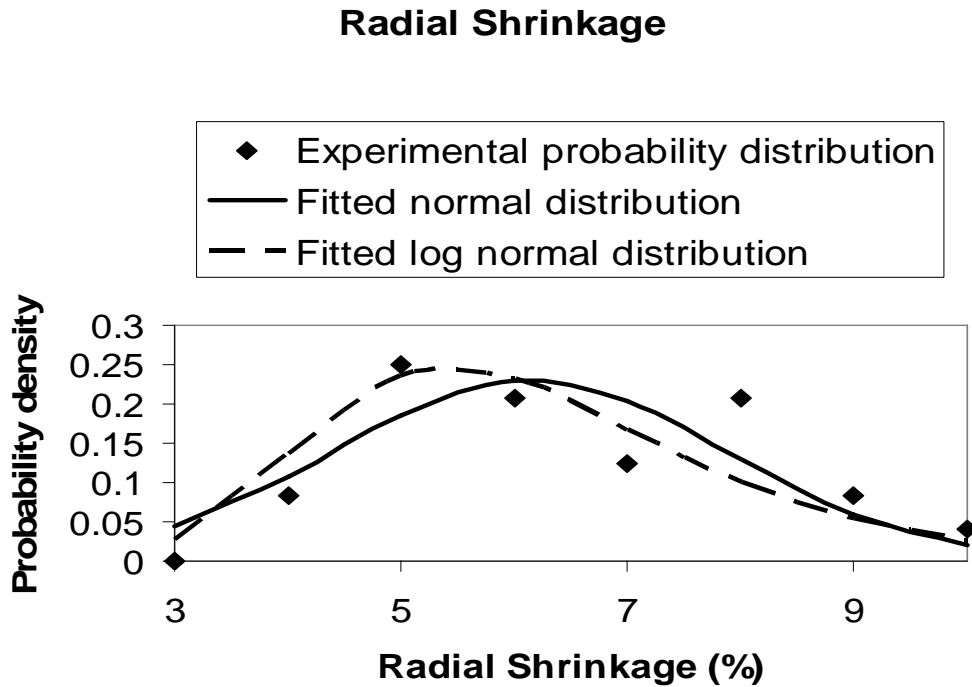


Figure A4.21. Probability density functions for the radial shrinkage.

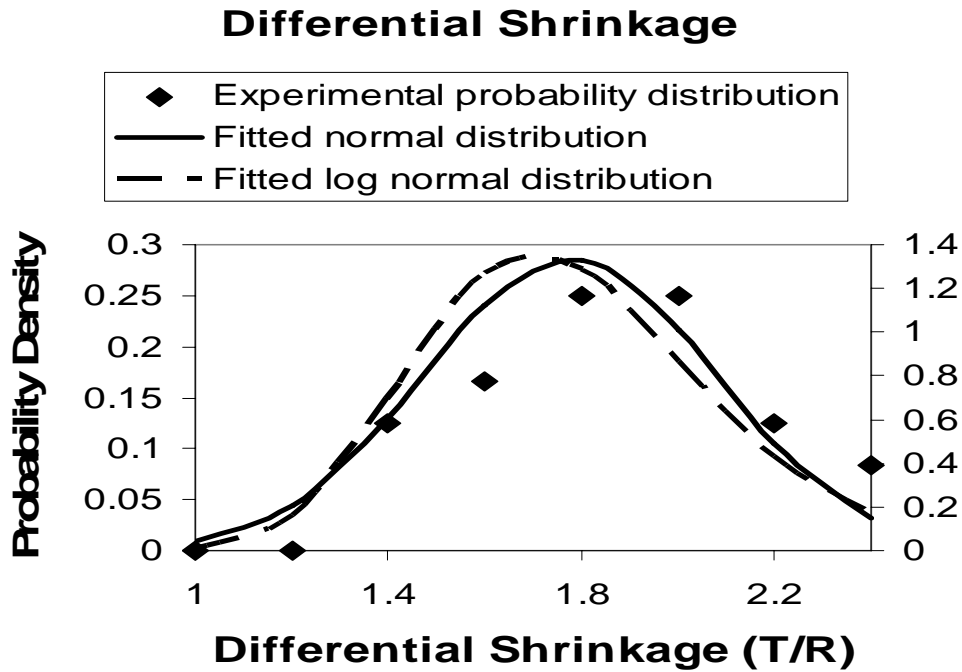


Figure A4.22. Probability density functions for the differential shrinkage.

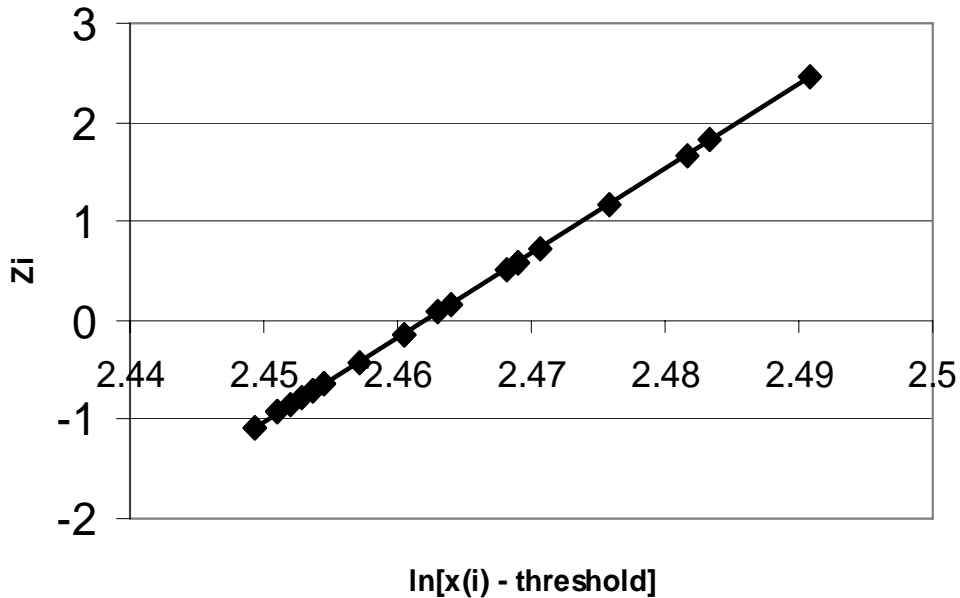


Figure A4.23. Three—parameter lognormal probability plot for the initial moisture content (considering the threshold).

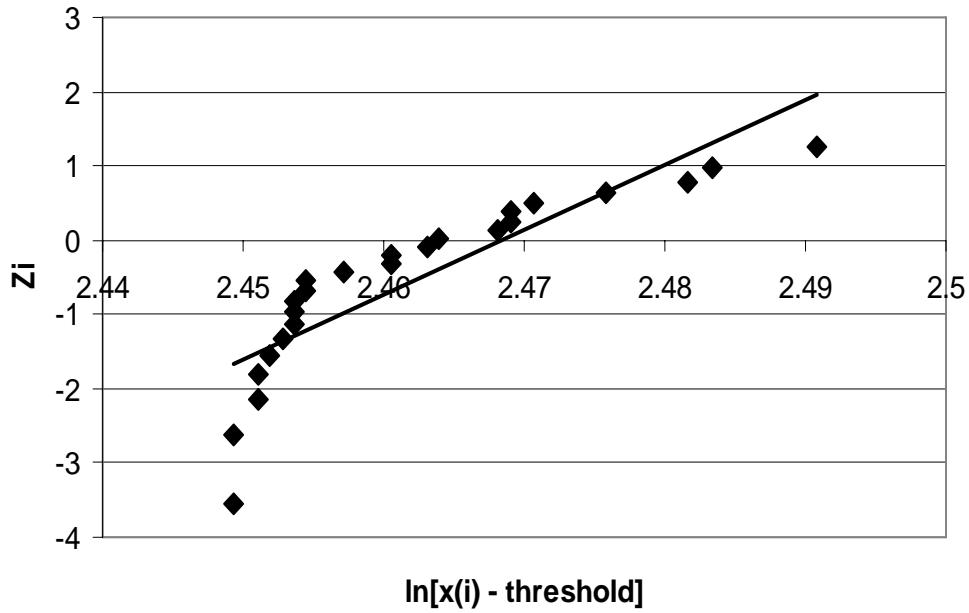


Figure A4.24. Weibull probability plot for the initial moisture content.

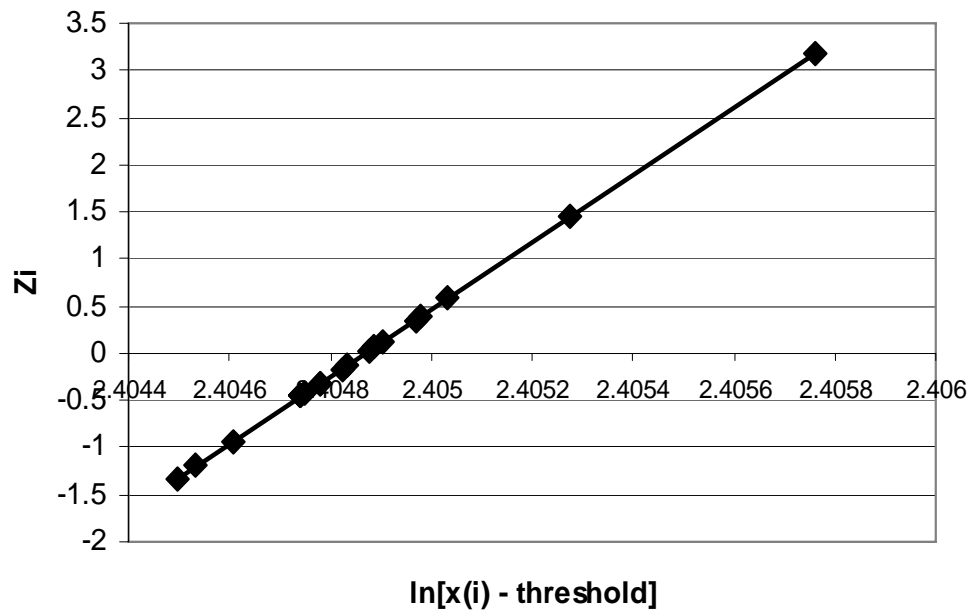


Figure A4.25. Three-parameter lognormal probability plot for the dried failure strain  
(considering the threshold).

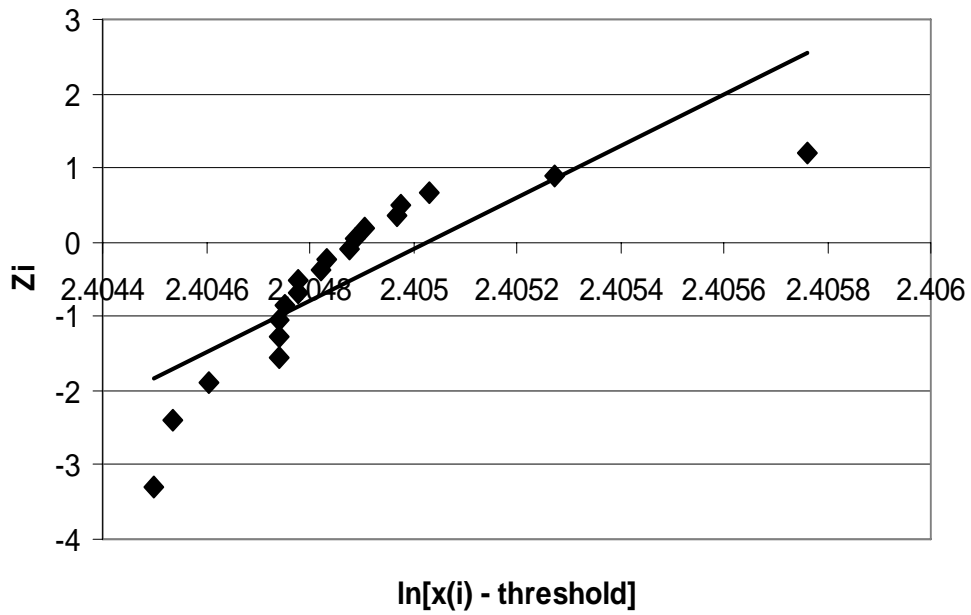


Figure A4.26. Weibull probability plot for the dried failure strain.