

## ***Garden of Invention* Reading Guide**

### **Read the Prologue, 1-9**

1. List 3 of Luther Burbank's innovations.
2. What were two titles bestowed on Luther by age 57 for almost 30 years by journalists?
3. What year was Luther born, and who was president when his father, Samuel Walton Burbank was born? Who was president when his wife Elizabeth died?

### **Read 14 - mid 20**

4. Where was Luther born?
5. When did the Burbanks first arrive from England?
6. After selling his paper mill in Harvard, MA, when did Luther's grandfather move the family to his hometown?
7. What was his mother's name and what countries did her family come from?
8. What two folk legends were connected to Samuel and Olive?
9. Luther's sister, Emma, idolized her famous brother. How did she describe his childhood education culture?
10. Samuel had three wives. His first wife, Hannah, died in 1840 and he marries Olive, his third wife and Luther's mother in 1845, a mere 5 years later. How many children did Samuel father and how many survived? What number was Luther?
11. Name the three acts that President Abraham Lincoln signed during the Civil War.

**Read 23 - 32**

12. Describe Luther at age 17.

13. When did his father die with what consequence for Luther?

14. What were his younger siblings doing at this time?

15. What book led to Luther discovering his vocation and list the 3 big ideals in his creative mind?

16. At the same time, an ad, Gardening for Profit, led to which 2 key ideas?

**Read mid 38 - top 39, 40 - mid 44. bottom 45-8**

17. What is the major drawback to growing potatoes by vegetal reproduction?

18. How did Luther grow his improved potato?

19. As natural objects could not be patented, and he did not have a large farm, what did Luther decide would be his best option to maximize his profit?

20. How long had half-brothers George and David been out west and what did Luther take with him on his 9-day train journey?

**Read 51 - top 59, bottom of 63 - mid 66**

21. What was the date and how old was Luther when he arrived in San Francisco?
22. Two days later, what did Luther write to his mother and sister that became a famous Santa Rosa/Sonoma County motto?
23. What support did Emma and Mother Olive give Luther in 1877?

**Read bottom 63 - 73**

24. Why did Luther call his hybrid walnut the Paradox Walnut?
25. Who was Warren Dutton and what was he looking for in 1881?

**Read 75 - top 84, bottom 88 - top 90, mid 91 - mid 94**

26. In nine months what did Luther accomplish? What two innovations helped his remarkable success?
27. Briefly describe plant grafting, a skill Luther learned in childhood.
28. What is June budding and why was it a gamble for Luther?
29. Because Luther needed more space and privacy, he buys the 10- acre Goldridge Farm in Sebastopol. How did this land differ from his Santa Rosa land?
30. What is a “nurse” tree?

**Read 99 - 100, 103,**

31. In 1888, Luther returns to his hometown for the first and only time. What does he humorously tell farmers to raise.?

32. Who did he meet on the train and with what unfortunate result?

**Read 175 - 6, mid 179 - 180, 187**

33. What significant event occurred on Dec. 29, 1904?

34. What does he do with the first payment from Carnegie?

**Read 198 - top of 202**

35. What three problems arose for Luther out of trying to turn his work into academic science?