

STATE OF NEW YORK—DEPARTMENT OF AGRICULTURE

CALVIN J. HUSON, COMMISSIONER

BUREAU OF FARMERS' INSTITUTES

EDWARD VAN ALSTYNE, DIRECTOR

The following questions will be discussed at your institute. Study them, bring them with you and call for the ones you are interested in.

DAIRYING

D. P. WITTER, *Farmers' Institute Conductor*

Selection of the dairy cow

1. Are pure bred cows more profitable to keep for dairy purposes than grades?
2. Which is the best breed of cows for dairy purposes?
3. Does it pay to keep native or scrub cows?
4. Is the dual purpose cow likely to become profitable in New York State?
5. How is the dairyman to know his profitable cows?
6. Is it practicable and profitable for the individual dairyman to weigh the milk from each cow daily?
7. If the record of a cow shows her to be unprofitable for one year should she be discarded?
8. How much milk should a cow give in a year to make her profitable?
9. How can we best increase the production of fat in the herd?
10. Can the production of a cow be accurately told by judging with the score card?

Selection of the dairy sire

11. What kind of a sire should a dairyman keep—pure bred, grade, or native?
12. Give some of the requirements of a good dairy sire.

Breeding

13. Is it desirable to mix breeds of pure bred stock?
14. Should a sire be used on his own offspring?
15. How long should a good sire be kept in a dairy?
16. Is it better to raise cows or buy them?
17. Is community breeding practicable?
18. Which is better, to have calves born in the fall or spring?

Care of the cow.

19. At what age should a heifer freshen the first time for constitutional vigor and best results?
20. How long should a cow be dry?
21. If a cow is a persistent milker should she be milked until she freshens?

The stable

22. Should the stable be in a building by itself, or may it be under a storage barn?
23. Should the cows head in or out?
24. What is the best system of ventilation?
25. Explain the King system of ventilation.
26. If muslin is used how many square feet is required for each cow?
27. How many square feet of glass are required for each cow?
28. How wide should the platform be made?
29. Which is the best floor, wood or concrete?

30. Should cows be allowed to stand on concrete?
31. Should there be a manger before the cows?
32. What kind of a stanchion is best?
33. What is the best system for watering?

Rearing the calf

34. What is the best food for a calf being raised for the dairy?
35. How much milk should a young calf be fed?
36. What grain ration is best to feed a calf with skim milk?
37. What is the best substitute for skim milk for raising calves?
38. How young may a calf be weaned?
39. At what age may calves be fed ensilage?

Feeding the cow

40. What is a balanced ration?
41. Does it pay to feed a balanced ration?
42. What is the best ration for milk production?
43. Can a balanced ration be raised on the farm?
44. Does it pay to buy grain for the dairy?
45. Are the so-called compounded feeds as economical to buy as the un-mixed feeds?
46. Does it pay to buy molasses feeds?
47. Is it profitable to buy molasses to feed stock?
48. Is alfalfa likely to become a prominent feed for the dairy in all parts of New York State?
49. Can soy beans be successfully grown in New York State?
50. What varieties of soy beans are best adapted for the silo?
51. How much soy bean seed should be planted to the acre with corn; and by themselves?
52. Does it pay to inoculate soy beans?
53. If soy beans are grown for the silo should they be planted in the corn or by themselves?
54. Can soy beans be successfully grown in New York State for hay? If so, what varieties are best?
55. Can milk be produced in winter as cheaply without a silo as with?

The silo

56. What is the best kind of a silo to build?
57. Which is the best material for building a silo, concrete, concrete blocks, or hollow tile?
58. If a silo is built of hollow tile or cement blocks, should it be plastered on the inside?
59. How tall may a silo be built with profit?
60. Is it profitable to have ensilage for summer feeding?

Milking

61. Which is the best method of cleaning the udder before milking — washing, wiping with a damp cloth, or brushing dry?
62. Does the covered milk pail pay?
63. Are milking machines practicable for a dairy of twenty-five cows?
64. Should cows be milked at regular hours?

Care of market milk

65. How soon should milk be cooled after being drawn from the cows?
66. To what temperature should it be cooled?
67. Should it be stored in the barn?