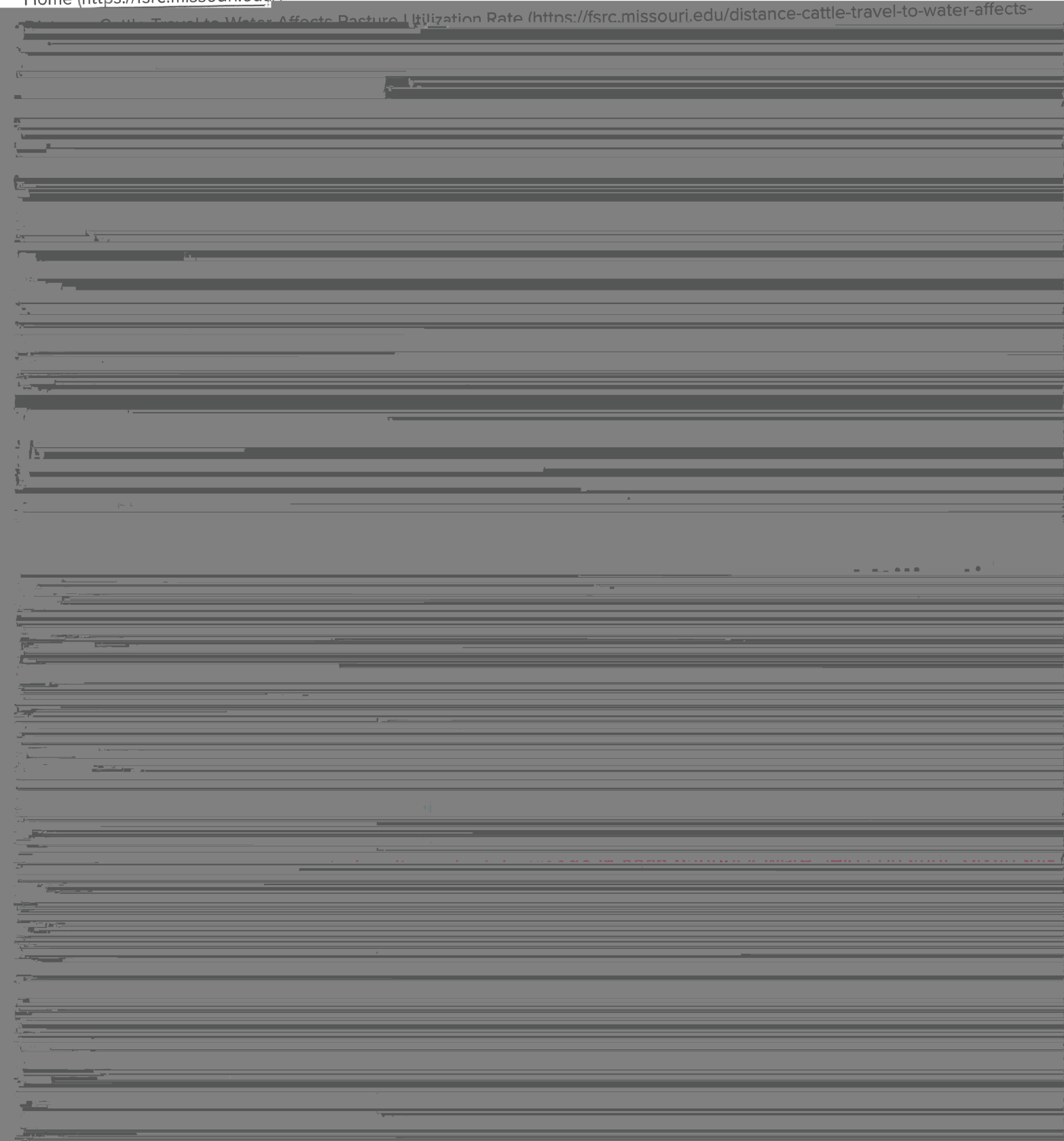




# Forage Systems Research Center (<https://fsrc.missouri.edu>)

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[Cattle Travel to Water Affects Pasture Utilization Rate \(https://fsrc.missouri.edu/distance-cattle-travel-to-water-affects-](https://fsrc.missouri.edu/distance-cattle-travel-to-water-affects-)



observation. From approximately May 10 to July 10 either 2 or 3 bulls were also present on the pasture. The individual pastures used in this project have been established and grazed in the same configuration since 1982. However, from 1982 through 1991 they were typically continuously stocked from approximately May 1 through August.

Six paddocks were selected from the sixteen to provide a range in maximum distance which the stock must travel to water. All experimental pastures were 10 acres but were either nearly square (600 x 720 ft) or rectangular (1320 x 330 ft). Three rectangular pastures had water available at a corner location while

water tank.

We hypothesize that the yield distribution gradient in the rectangular paddocks is the result of several

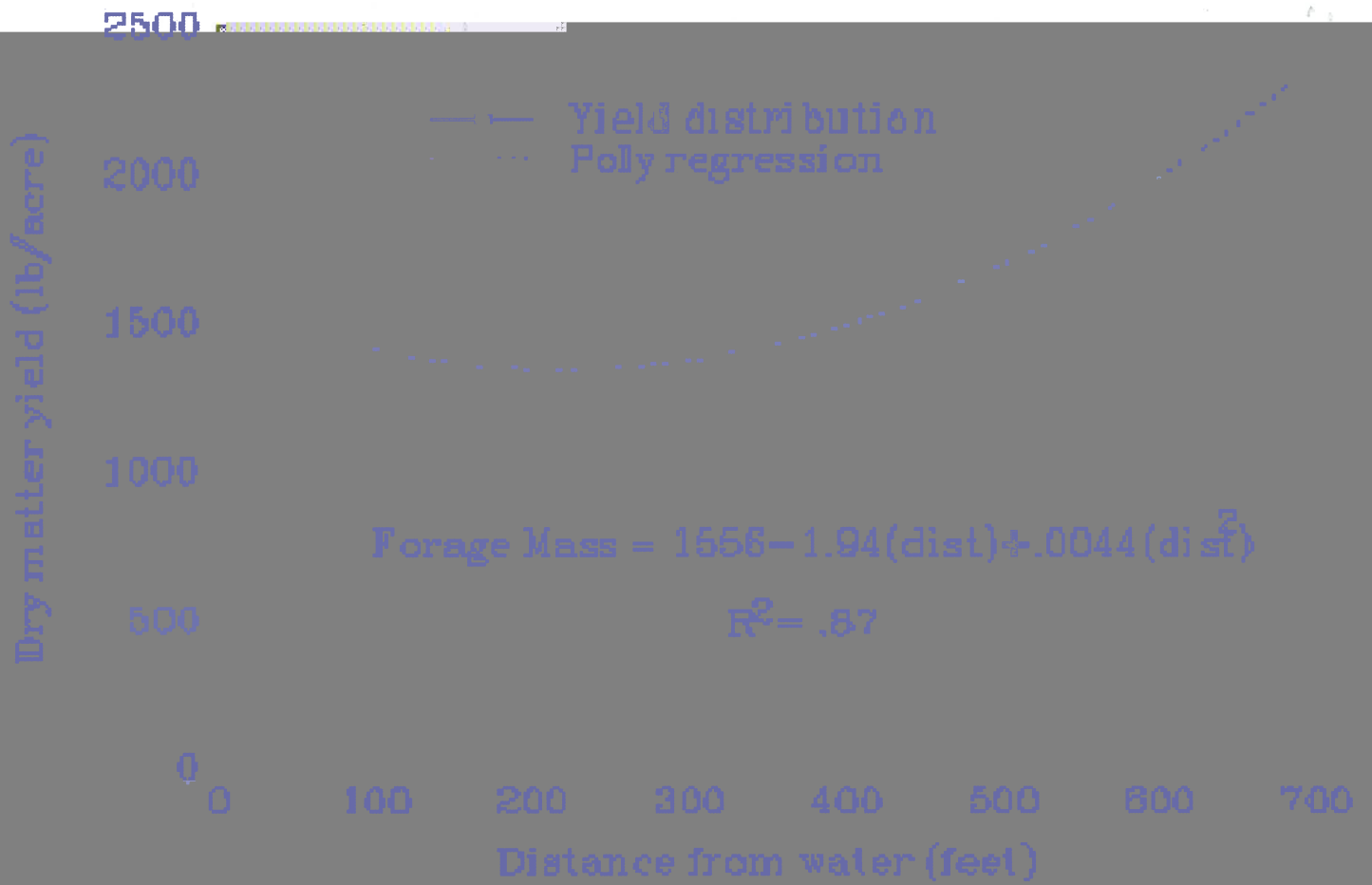
years of non-uniform grazing distribution. For the 40 years prior to this study each pasture had been used

as an individual continuously stocked pasture. The plant species present in the front parts of the pastures

tended to be those more tolerant of heavy grazing, whereas those that were more drought-tolerant

maize distribution and subsequent pasture utilization rates. This distance is apparently much less in

environments than in semi-arid regions. We recommend that pasture systems be



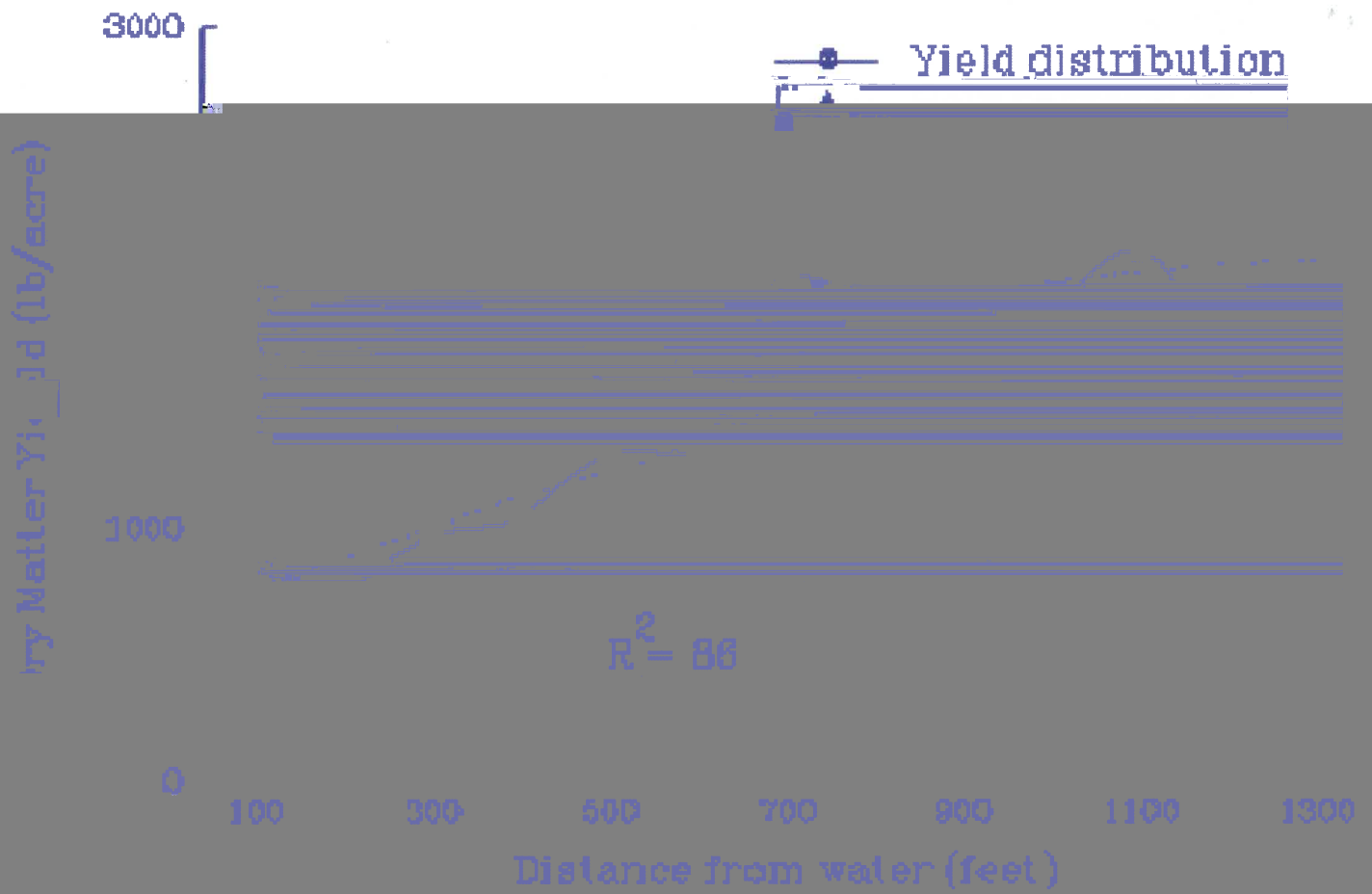
(<https://fsrc.missouri.edu/wp-content/uploads/sites/12/2017/08/1-1.gif>)

**Figure 2.** Pasture utilization rate in a 10 acre paddock with a length: width ratio of 1.



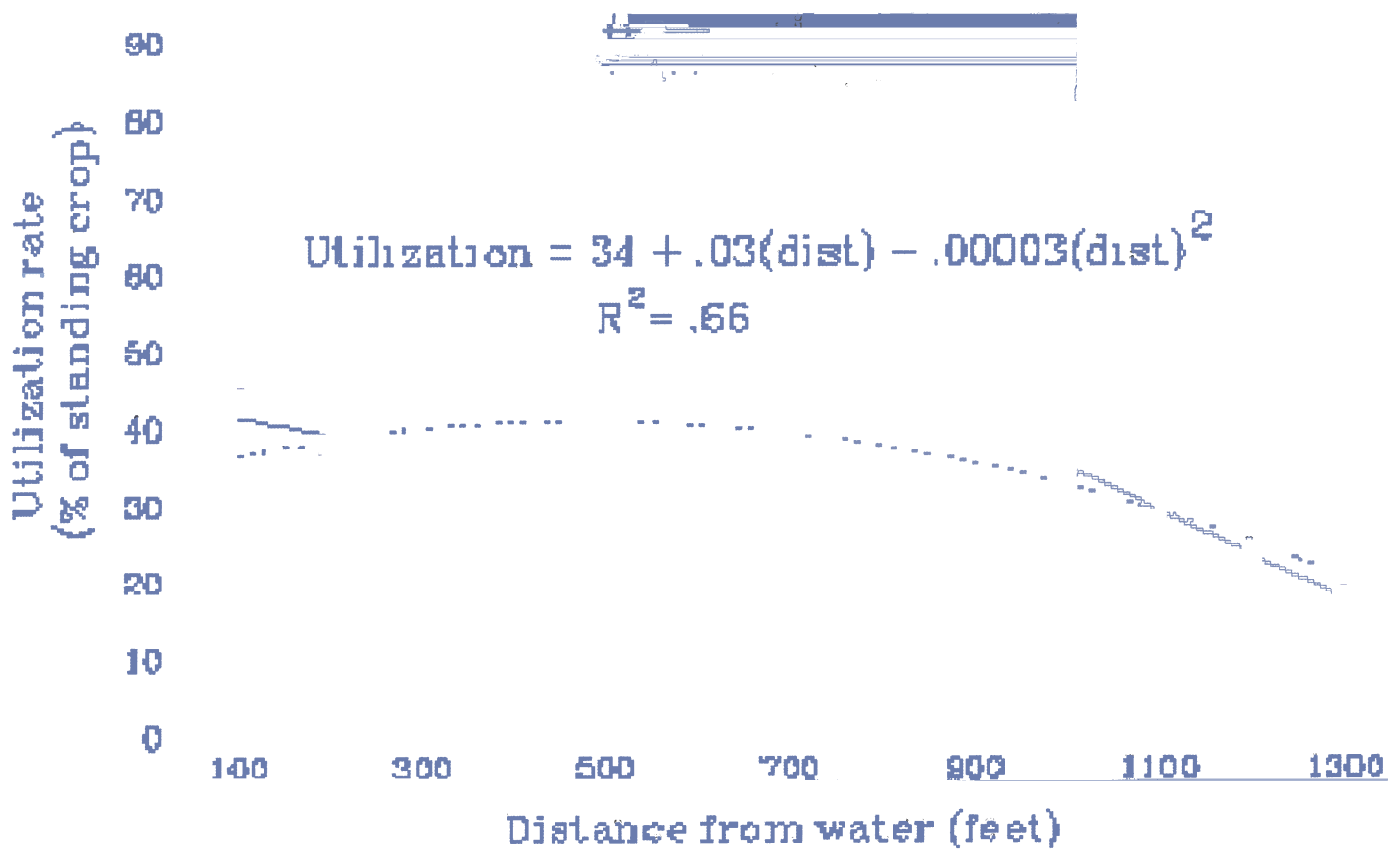
(<https://fsrc.missouri.edu/wp-content/uploads/sites/12/2017/08/2-1.gif>)

Figure 2. Server usage distribution in 40 server nodepack with a length-width ratio of 4



(<https://fsrc.missouri.edu/wp-content/uploads/sites/12/2017/08/3-1.gif>)

**Figure 4** Pasture utilization rate in a 10 acre paddock with a length: width ratio of 4.



(<https://fsrc.missouri.edu/wp-content/uploads/sites/12/2017/08/4-1.gif>)



[Give to Forage Svstems \(https://mizzouaivedirect.missouri.edu/Item.aspx?item\\_id=454\)](https://mizzouaivedirect.missouri.edu/Item.aspx?item_id=454)

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