

Taking possible payoffs and losses to both the farm and weather, the normal weather can be taken out of the decision process, because weather would not benefit from having normal weather for the farm's gain. My recommended strategy to the managers of the farm would be that the farm plants rice 11/26 of the time, and plant wheat 15/26 of the time. The farm should use 57.69% of the land for wheat, and 42.31% of the land for rice. My strategy is the best response, because the farm would gain the most profit from planting more wheat than rice, due to the possible financial payoffs.

If the farm were to stray away from the strategy and plant only wheat, they could lose up to 4 million dollars, if they were to only plant rice, they could lose up to 6 million dollars. The expected value of planting the strategized amount of wheat and rice would be 17.3 million dollars for planting wheat, and 12.7 million dollars for planting rice.

