Generally, pepper water requirements decline marginally as peppers are planted later in the season. This is due to a lesser portion of their growing season taking place in the warmer temperatures of spring. Peppers planted April 15 would be expected to use approximately 30.9 inches of water. Peppers planted May 13 would be expected to use approximately 28.4 inches. These estimates do not take into account the water used to set transplants, nor do they take irrigation system uniformity into account.