

ing and plant emergence regardless of whether applied late or early in the rest period. Thirty days or more of cool storage hastened plant emergence by about one month when applied on or after July 20, but a substantial number of early flowers resulted from 30-day cold treatments only when applied after the middle of August. The single greatest percentage of early flowers was obtained when the bulbs were given cool storage latest (September 3 to October 4). This is in agreement with results obtained the previous year—the proportion of early flowers increased as the cool storage period extended later into the fall. However, there is danger of delaying too long before placing in cool storage, as the bulbs may start forming new roots by late August or early September. For that reason, it would be preferable to place them in cool storage on August 15, or very shortly thereafter, and hold them in the cold about 45 days.

It was found that bulbs held in warm storage produced one-third more flowers than those given cool storage. However, the warm treatments had no similar advantage in respect to bulb increase. In fact, where it was possible to compare 30 days of warm storage with a similarly-timed 30 days of cool storage, it was found that the cool plats produced 66 percent more bulbs.

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