

Sprays with potassium nitrate increased fruit size of ‘ Valencia ’ and ‘ Shamouti ’ orange

One foliar spray in “Valencia” and “Shamouti” orange was conducted respectively 6 and 8 weeks after flowering. Spraying 20 ppm 2,4-D (auxin) + 5% KNO<sub>3</sub> increased fruit size by 8-20% for “Shamouti” and 8-25% for “Valencia” compared to the control. Potassium nitrate also increased significantly the juice acid level in “Shamouti” orange by 15%. Spraying with KNO<sub>3</sub> was more efficient than spraying K<sub>2</sub>SO<sub>4</sub> in increasing fruit size per 1000 distributed fruits (Figure 1).

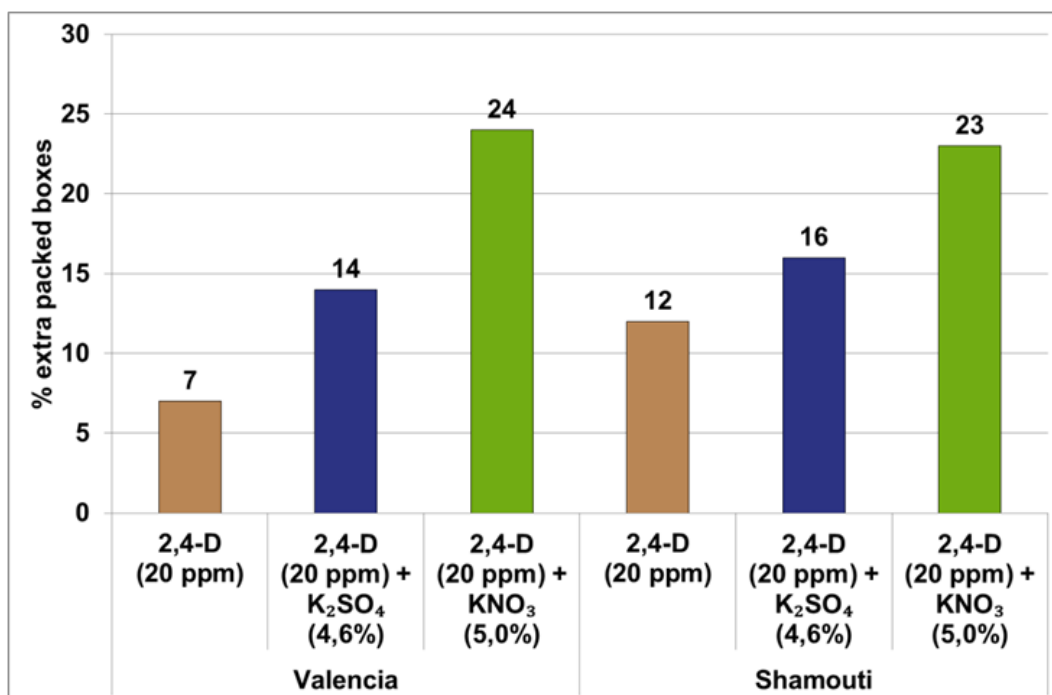


Figure 1. Effect of foliar sprays on % extra packed boxes (untreated control=0%).