

**THE EFFECT OF GIBBERILLINE , BENZYLADENINE AND IRON
CHELATE Fe-EDDHA ON FRUIT SET AND YIELD OF
CLEMENTINE MANDARINE TREES
(Citrus reticulata L. Blanco)**

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Abstract

This study was conducted in shaded citrus orchard located in Diala Province.

Afoliar sprays at full bloom from GA₃ (30 mg/L), BA (20 mg/L) , Iron (150 mg/L) (GA₃+ Iron) (30+150 mg/L).the objectives of this treatment was to determine the effect of there treatments on fruit set, yield and fruit quality . Arandomized Complete Block Design (RCBD) was used with three replications .

The results showed that , (GA₃+ Iron)treatments increased fruit set to 51% as acompared with control, BA decreased fruit drop after june drop , BA treatments increased fruit number/tree to 65% percent and increased yield weight / tree to 44% .