



NORTHERN

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GRAINS RESEARCH
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SAFFLOWER

SECTION 10

PLANT GROWTH
REGULATORS AND
CANOPY MANAGEMENT

Plant growth regulators and canopy management

Research work in Brazil aimed to determine the effect of the plant growth regulators kinetin, chlorocholine chloride (CCC) and salicylic acid (SA) on achene yield and oil quality of safflower cv. Thori in relation to biodiesel production.

Researchers found that application of these plant growth regulators as foliar spray (10^{-5} m) during flowering in safflower can improve oil yield and quality, and can be utilised in a sustainable manner in commercial-scale production of good-quality biodiesel. Moreover, the kinetin treatment enhances the conversion of oil to methyl esters.

See the results at: [Effect of plant growth regulators on oil yield and biodiesel production of safflower \(*Carthamus tinctorius* L.\)](#).