

WEEDS IN COTTON

The emerging problem (family Malvaceae)

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These plants are current and potential weed problems in cotton crops.

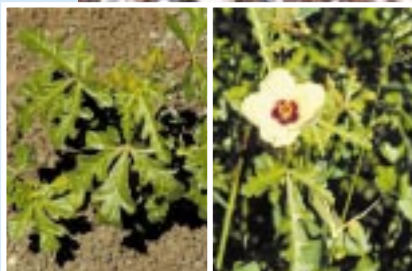
- Bladder ketmia, *Hibiscus trionum*
- Velvetleaf, *Abutilon theophrasti*
- Anoda weed, *Anoda cristata*

Other cotton type weeds include species of the mallows (*Malva*), *Malvastrum*, *Sida* and native rosella (*Abelmoschus*).

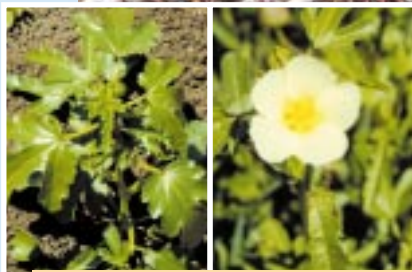
Why are they problems?

- These weeds continue to spread in Australia (and are already huge problems in the USA).
- They produce large numbers of seeds that are long lived in the soil.
- They are closely related to cotton and, therefore, can be difficult to control by herbicides alone.
- These weeds host important insect pests and diseases of cotton.

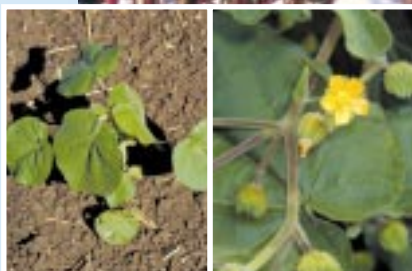
Bladder ketmia can be a symptomless host of fusarium wilt.



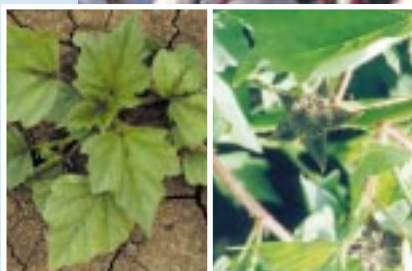
Bladder Ketmia, *Hibiscus trionum*. Narrow (dissected) leaf variety



Bladder Ketmia, *Hibiscus trionum*. Broad leaf variety



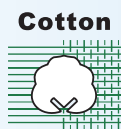
Velvetleaf, *Abutilon theophrasti*. Swamp chinese lantern



Anoda weed, *Anoda cristata*. Spurred anoda



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