

FIBREpak

from seeds to good shirts

A Guide to Improving Australian Cotton Fibre Quality

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FIBREpak Quick Reference Guide to Issues

If I am trying to avoid:	What should I do?	page(s)
Short Fibre Length	<ul style="list-style-type: none"> • Choose a variety with longer fibre. • Avoid moisture stress during early flowering - under irrigation, carefully schedule water application at about 50% available water deficit, especially under conditions of high evaporative demand (hot, dry, windy); under raingrown situations, use skip rows to provide a larger soil moisture store. 	45,47,57,90
High Micronaire	<ul style="list-style-type: none"> • Choose a variety with relatively low Micronaire value. • Avoid hot conditions during flowering - only sow early varieties in the second half of the sowing window in full season areas. • Plant size management - ensure a good balance between vegetative plant growth and fruit retention. 	43,45,46,64
Low Micronaire and neps	<ul style="list-style-type: none"> • Choose a variety with relatively high Micronaire value. • Avoid cool conditions during boll maturation - avoid sowing late varieties in the second half of the sowing window in short season areas. • Use judicious management of irrigation, fertilizer and growth regulator to avoid unnecessary late flowering and have uniform cutout. • Carefully schedule timing and rates of defoliation to avoid opening premature bolls. 	43,45, 46, 49, 61, 64, 76, 90
Trash and poor grades	<ul style="list-style-type: none"> • Obtain uniform boll setting by optimised pest, weed and irrigation management. • Avoid excessive nitrogen rates, especially in combination with early to mid fruit loss. • Schedule late season growth regulator application to avoid unnecessary vegetative growth. • Carefully schedule timing and rates of defoliation to ensure appropriate leaf drop before harvest. • Avoid harvesting wet cotton • Careful ginning and limit lint cleaning • Gin carefully and have less lint cleaning if possible to avoid neps. 	37,45,50,83
Contamination	<ul style="list-style-type: none"> • Practice good farm hygiene • Ensure effective weed management • Maintained and correctly setup pickers • Appropriate module construction and management 	45,86,90