

Variety file ID (left to right numbering)

1	2	3	4	5
First Squaring* Adjustment to date of occurrence	Adjustment to specific leaf weight LEAFWT*		Adjustment to root weight in N-deficient soil PDWRT*	
Adjustment to (day/night) root/ shoot ratio 6	Adjustment to fruiting site initiation xms/fbn TI* 7	CDLAYF B ₀ constant 8	CDALYF B ₁ constant 9	CDLAYF B ₂ constant 10
Early FLOSS 11	First BLOOM* Adjustment to date of occurrence from FSQ	Late FLOSS	DEHIScence* Adjustment to date of occurrence from	Adjustment to main stem node initiation MS TI*
Max fraction of square to abscisse DPSMX 16 constant	Maximum fraction of boll to abscisse DPBMX constant	FLOSS Switch constant	Adjustment due to stress day/eve_lfstres* leaf_growth_water_stress	Adjust the boll safe days AGEABZ
PSILIN LF leaf_growth_water_stress constant	PSILIN DZ stem_growt_water_stress constant	NDLAY constant		CDLAYV B ₁ constant
21	Minimum LAI affected by boll temperature MIN LAI BOLTMP	Adjustment to vegetative node initiation VEG NODE PFTI*	Adjustment to leaf area expansion DURATION*	Adjustment to leaf age LF AGEFAC
Adjustment to C-allocation of <35 d stems STEM C- 26	Adjustment to C-allocation of >35 d stems STEM C-ALLOC*	Maximum boll size MAX BSIZE genetic potential, g	LL VNO ₃ C RUTGRO constant	
31	CDLAYV B ₂ constant			Adjustment to plant evap. RFEP*
Adjustment to leaf age DROPLF 36	< 35 d PDSTMD (N) constant	Adjustment to initial pre-fruited leaf area PFLfArea*	Adjustment to initial main stem leaf area XMSLfArea*	Adjustment to initial fruited leaf area FBLfArea*
Adjustment to initial plant height due to EPI DZ at initiation* 41	Adjustment to internode elongation DURATION*	Adjustment to photosynthesisist due to EPI	Adjustment to plant height DZ*	
46	Adjustment to stem height XMNODLTH* NUMPFN < 5	Adjustment to stem height XMNODLTH*	Adjustment to stem height XMNODLTH*	Adjustment to pre-fruited leaf weight PFDALD/N*
Adjustment to leaf weight PDAMLD/N* 50		Adjustment to square wt PDWSQ* potential_sqr_growth	Adjustment to photosynthesis PSTAND*	Adjustment to boll weight PDWBOD/N*

*Calibration parameters using KR Reddy's new equations.

All calibration parameters denoted as constant cannot be changed.