

Peanut Sampling & Growth Stages

Timing: Begin sampling at stage 1.9 and continue to 7.5 or until fertiliser application ceases. Sample every 2 - 4 weeks

Sample volume: 30 leaves

Sampling: Take the first fully expanded leaf, usually the fourth or fifth leaf from the growing point of the plant. Be sure to take whole leaves not just leaflets. Discard leaflets, retaining the petiole (leaf stalk) for analysis

Primary Stage	Secondary Stage	Description	Comments
1			Leaf development
	1.5		5 th true leaf (pinnate) unfolded
	1.9		9 or more true leaves unfolded
2			Formation of side shoots
	2.1		1 st side shoot visible now if not earlier
	2.9		9 or more side shoots visible
3			Main stem elongation
	3.1	Crop cover	Beginning of crop cover: 10% of plants meet between rows
	3.5		50% of plants meet between rows
	3.9		Crop cover complete
5			Inflorescence emergence
	5.1		First inflorescence buds visible
	5.5		First individual flower buds visible
6			Flowering
	6.1		Beginning of flowering
	6.4		First carpophore pegs visibly elongated
	6.6		First carpophore pegs penetrating the soil
	6.8		Tip of first carpophore pegs growing horizontally in soil
7			Development of fruits and seeds
	7.1		Tip of first carpophore pegs swollen (at least twice the original diameter)
	7.3		Beginning of pod filling: first pods have attained final size and are ripening
	7.5		Main phase of pod development: continuation of pod filling
8			Ripening of fruits and seeds
	8.1		About 10% of pods developed to final size are ripe.
	8.5		Main phase of ripening: about 50% of pods developed to final size are ripe
	8.9		Full maturity: nearly all pods developed to final size are ripe

Growth Stage numbering system is in accordance to the extended BBCH, a uniform coding of phenologically similar growth stages for all plant species

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