

**Timing:** Begin sampling at stage 1.2 (mid vegetative) and go to stage 5.1 (early flowering).

**Sample Volume:** 30 – 50 growing tips

**Sampling:** Collect 10cm long new growing tips (the light green, silvery color) from representative plants in a representative area in the paddock or along a transect. Return to the same area or transect for subsequent samples. Avoid taking samples from poorly performing plants, near irrigation runs, hydrants, fence lines and bare patches in the paddock.

**Plant part for analysis:** Retain the whole shoot tip for analysis

Primary Stage	Secondary Stage	Description	Comments
1			<b><i>Vegetative growth</i></b>
	1.1		Early vegetative, plants start to move after winter dormancy
	1.5		Mid vegetative, plants to 50% of height reached at flowering
	1.9		Late vegetative, bud development imminent
5			<b><i>Flower bud development</i></b>
	5.1		Early flower bud development, 10% of crop with buds
	5.5		Mid bud development, 50% of crop with buds
	5.9		Late bud development, first flowers starting to open
6			<b><i>Flowering</i></b>
	6.1		Early flowering, 10% flowers open
	6.5		Mid flowering, 50% of flowers open
	6.9		Late flowering, flowers starting to dry
9			<b><i>Harvest</i></b>

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

© 2008 AgVita Analytical Pty Ltd., PO Box 188, Devonport TAS 7310  
Ph: 03-6420 9600, Fax 03-6427 0230, info@agvita.com.au, www.agvita.com.au