



CropBioLife is a plant foliar spray that boosts plant and soil health.

CropBioLife is a 100 % natural flavonoid-based spray, developed from naturally occurring bitter-orange extract.

This application data sheet contains an overview of CropBioLife application on tea leaves – including what to expect, results, and spray rates.



CropBioLife is exceptional at supporting the growth phases in tea crops

- Gibberelic acid and Cytokinins promote bud burst in stage 2.
- During dormancy there will be an increased activity of root growth whereby enhanced levels of Cytokinins are found.
- Auxin, produced in the apex and transported down the stem, is thought to inhibit the production of auxin in lateral buds, hence inhibiting lateral bud growth.

This assumes that the export of auxin from the lateral bud is required for growth.

Spray Application

The following table shows the spray rates and timing that we recommend based on 10 years of trial work.

Dose Rate	
Apply 200 ml of CropBioLife per 100 litres of water.	
Stage 2	Stage 4
Apply CropBioLife per the above dose rate	Apply CropBioLife per the above dose rate

**An application a week prior to dormancy would delay dormancy. Applications of CBL with Auxins and foliar nutrients would also benefit new leaf growth.*

Stages of growth:

Stage	Description	Key Factors
Stage 1	Bud Burst Expansion of Cataphylls (Lower Leaf) Initiation of Shoot	Present of high concentration of Gibberelins
Stage 2	Fluch leaves growth shoot expansion	Decrease in levels of Zeatin Riboside
Stage 3	Expansion of final flush leaf shoot expansion done Initiation of Shoot	Increase in Auxin Hormones - Endogenous shoot growth hormone concentration of Gibberelins
Stage 4	Leaf expansion done, dormancy initiates leaf sam multiplication of leaf shoot Apical Meristem	Requirement of long days, high photosynthetic requirement and high night temperature. Long light days, 16 hours needed, pruning is essential to increase the quality. Yield will decrease if not for the optimum environment conditions
Stage 5	Fresh leaves are harvested as Green Tea	

