

Araku Coffee is cultivated in microbially enriched soils through a unique regenerative agronomy. Our success in transforming the landscapes of Araku is thanks to our proprietary Organic+ bio inoculants which are the touchstones to our methodology. A microbially active soil is as vital as the above ground practices that ensure healthy coffee bushes and beans. These herbal bio inoculants are BLACK100, WHITE100, C100 and C101-C106.

- **C100** is prepared from cow dung, egg shell powder, salicaceous rock dust, and Organic+ microbial starters (C101-C106). C100 is used as both a direct soil, compost and foliar spray, and is applied four times a year in sync with the agriculture almanac\* in farms to boost plant and soil health. It also works to control pathogenic fungal issues and boosts plant immunity.
- **BLACK100** is an Organic+ bioinoculant prepared by fermenting cow dung in clay cones. Its use enriches microbial activity and activates boron in the soil. Microorganisms that develop in BLACK100 produce highly hydrated polymers that are mainly composed of polysaccharides that enhance the aggregation of soil particles and benefit plants by retaining soil moisture and nutrients.  
BLACK100 is dissolved in water and applied as droplets to the soil.
- **WHITE100** is an Organic+ bioinoculant prepared using silica quartz crystal in clay cones, buried in microbe-rich soil from April to September to bio-activate the silica. It is used as a broad aerial foliar spray to enhance photosynthetic activity of plants and strengthens their vascular tissue.  
The spray is applied early morning prior to sunrise.

Both BLACK100 and WHITE100 are applied 4 times a year according to our almanac\*, and are effective on any kind of farmland. They are doubly efficacious when applied in combination with C100. The symbiotic relationship established between enriched microbial soil and our coffee bushes is foundational to the complex flavour notes in our coffees.

- **C101 – C106** These 6 herbal preparations are aerobically composted to nurture certain beneficial bacterial and fungal colonies that are vital for developing soil humus and stable carbon. They are used to inoculate our composts and our C100 biofertiliser.

### **Our Agricultural Almanac\***

We incorporate certain significant lunar and planetary rhythms into our regenerative agricultural activities via our annual calendar *Almanac*. It is published yearly for our farmers' convenient reference.