

VITAL HUMIC™ HYDRO BIO APPLICATION INSTRUCTIONS



STANDARD APPLICATION

**8 GRAMS TO 32 GRAMS
PER 100 LITERS OR 26.41
US GALLONS**

Vital Homic™ Hydro Bio is a biostimulant and biocontrol all-in-one product. You should apply Vital Homic™ Hydro Bio from the start of the cycle until flush at the end.



SEEDS & CUTTINGS

0.16 gram per liter **OR** 0.61 gram per US gallon



FOLIAR APPLICATION

0.25 gram to 0.5 gram per liter **OR** 1 gram to 2 grams per US gallon



SOIL TREATMENT

Post-harvest, apply 100 grams to 250 grams per acre



OUTDOOR CANNABIS

750 grams to 2500 grams per acre per season

STABLE & EASY-TO-USE

- Arrives in dry powder format
- Simply add to water and apply
- Flush hydroponic system prior to use
- Compatible with all other amendments
- Compatible in all cultivation systems





Vital Hemic™

FLUSH YOUR CULTIVATION SYSTEM FIRST!

Before running Vital Hemic™ Hydro Bio with your nutrient feeding program, make sure to flush your cultivation system first!

HOW TO FLUSH

RUN VITAL HUMIC™ HYDRO BIO THROUGH SYSTEM WITH WATER AT 0.16 GRAM PER LITER OR 0.61 GRAM PER US GALLONS

PERFORM TWICE

1

SOLUBILIZE MINERAL BUILD-UP

Our specialized blend of beneficial microorganisms will strip the minerals from your reservoir, irrigation lines, and substrate. This introduction can cause nutrient burn if you are running alongside added NPKs at the same time.

2

ELIMINATE BIOFILM ACCUMULATION

When working with living systems, accumulation of biofilm can take place, restricting optimal performance. Our microorganisms will feed on the biofilm, breaking it down in your fertigation system.

3

IMPROVE NUTRIENT BIO-AVAILABILITY

Our product is specifically designed to make nutrients more available for uptake by roots. This means that the compounds being broken down in your cultivation system will also become available to the plant.



Vital Hemic™

FULL S.O.P. FOR MEDICAL CANNABIS AND INDOOR HEMP

Using chemical/technical A and B fertilizer, Vital Hemic™ Hydro Bio, and coco fiber as the growing medium.

VERY IMPORTANT: FOR THE VEGETATIVE AND FLOWERING STAGE, THE PH FOR YOUR FEEDING MIXTURE WHEN USING COCO FIBER AS A GROWING MEDIUM MUST BE 5.6 TO 5.7

VEGETATIVE STAGE

MIXTURE - Vegetative A (75%), Flowering B (25%), & Vital Hemic™ Hydro Bio at 8-16 grams per 100 liters of water.

TOTAL PPM - 300 PPM to 600 PPM

RATE - Every feeding

TRANSITION FROM VEGETATIVE TO FLOWERING

MIXTURE - Vegetative A (25%), Flowering B (75%), & Vital Hemic™ Hydro Bio at 32 grams per 100 liters of water.

TOTAL PPM - 1000 PPM

RATE - One time to trigger flowering and reduce transitional stress

BEGINNING OF FLOWERING STAGE

MIXTURE - Vegetative A (25%), Flowering B (75%), Vital Hemic™ Hydro Bio at 16-32 grams, & 1 teaspoon of quality sea salt per 100 liters of water.

TOTAL PPM - 600 PPM to 800 PPM

RATE - Every feeding

MIDDLE OF FLOWERING STAGE

MIXTURE - Vegetative A (25%), Flowering B (75%), Vital Hemic™ Hydro Bio at 32-48 grams, & 1 teaspoon of quality sea salt per 100 liters of water.

TOTAL PPM - 1000 PPM to 1300 PPM

RATE - Every feeding

FLUSHING AND END STAGE - LAST 10 DAYS OF GROWING CYCLE

MIXTURE - Vital Hemic™ Hydro Bio at 8 grams per 100 liters of water.

RATE - Every feeding until harvest