

## CANNA COGr

The COGr range is a complete coco growing method that is particularly suitable for the experienced users. The method contains a substrate, buffering agent and nutrients.

### COGr Boards

COGr boards (substrate) are compressed unbuffered coco slabs. Because of that they take up very little space, making them ideal for transportation. The COGr boards need to be soaked with the special COGr Buffering Agent prior to use. COGr Buffering Agent is developed for the preparation of the COGr growing medium. It soaks and buffers the slab.

### COGr Nutrients

COGr nutrients are especially developed for the growing and flowering stages of the plant. They contain pH stabilizers, silicon, humic and fulvic acids. All essential elements for optimal growing. COGr Vega is intended for use during the growing period. It ensures healthy and strong plants that produce long, vigorous growth shoots. COGr Flores is the nutrient that needs to be used during the flowering period. It stimulates the fructification and provides an unequalled juice production and large fruits.



## Grow Schedule





	Cultivation period in weeks	Light / Day in hours	Buffer-agent ml/Gallon	COGr Vega ml/Gallon	COGr Flores ml/Gallon	RHIZOTONIC ml/Gallon	CANNAZYM ml/Gallon	CANNABOOST ml/Gallon	PK 13/14 ml/Gallon	EC + in mS/cm	PPM	
GROWTH	<b>VEGETATIVE PHASE</b>											
	Start / rooting (3 -5 days) Make substrate wet	<1	18	8	-	-	15	-	-	-	1,0	740
	<b>Vegetative phase I.</b> Plants develop in volume	0-3 <sup>1</sup>	18	-	10-13	-	8	10	-	-	0,9-1,3	670-960
FLOWERING	<b>Vegetative phase II.</b> - Up to growth stagnation after fructification or appearance of the formation of flowers	2-4 <sup>2</sup>	12	-	12-15	-	8	10	8 <sup>5</sup>	-	1,2-1,6	890-1180
	<b>GENERATIVE PHASE</b>											
	<b>Generative Period I.</b> - Flowers or fruits develop in length. Growth in height achieved	2-3	12	-	-	13-17	2	10	8-15	-	1,4-1,8	1040-1330
	<b>Generative Period II.</b> - Development of the volume (breadth) of flowers or fruit	1	12	-	-	13-17	2	10	8-15	6	1,5-1,9	1110-1410
	<b>Generative Period III.</b> - Development of the mass (weight) of flowers or fruit	2-3	12	-	-	12-15	2	10	8-15	-	1,1-1,5	810-1110
<b>Generative Period IV.</b> - Flowers or fruit ripening process	1-2	10-12 <sup>3</sup>	-	-	-	-	10-19 <sup>4</sup>	8-15	-	0,0	0,0	

1. This period varies depending on the species and number of plants per m<sup>2</sup>. Mother plants remain in this phase until the end (6 - 12 months).
2. The changeover from 18 to 12 hours varies depending on the variety. The rule of thumb is to change after 2 weeks.
3. Reduce hours of light if ripening goes too fast. Watch out for increasing Relative Humidity
4. Double CANNAZYM dosage to 19 ml/gallon, if substrate is reused.
5. 8 ml/gallon standard. Increase to a maximum of 15 ml/gallon for extra flowering power

EC: EC+ value is based in mS/cm when EC water = 0,0 by 25°C, pH 6,0  
Add the EC of the tap water that is used to the recommended EC!  
The EC total in the example is with tap water with an EC of 0,4

pH: Recommended pH is between 5.8 and 6.2  
Adding pH- can increase EC.

Use pH- grow in the vegetative as in the generative phase to lower the pH

PPM: PPM+ value is based on 0.74 conversion factor.

The guidelines in the table aren't an iron law, but can help novice growers to develop a sophisticated fertilization strategy. The optimum fertilization strategy is further determined by factors such as: temperature, humidity, plant species, root volume, moisture percentage in substrate, water dosage strategy, etc.

Make your personal grow schedule at  
[www.cannagardening.com](http://www.cannagardening.com)