

SUMMARY OF THE AGRONOMIC TRIALS CARRIED OUT BETWEEN EACH PRODUCT SEPARATELY AND COMPARISON WITH THE RESULTS OBTAINED BY THE FULL USE OF THE **C. AYURVEDA PACK**



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INDOOR TRIALS

PREPARATION

- Variety: **Amnesia**
- Density: **16 plants/m²**
- Plantings: **10-day cuttings**
- Substrate: **coconut without additives, EC<0.5mS/cm**
- Buffering: **no**
- Pots: **3.5 liters/plant**
- Drainage: **EC drainage control after each irrigation**
- Basic mineral program: **Canna Suite**
- Pruning: **only to facilitate the natural aeration of the plant**

GROW BOX

- Type: **Blackbox Silver**
- Lamps: **600W HPS/MH**
- Height of the lamp reflector: **30 to 40 cm above the plant's apex**
- Air extraction: **yes**
- CO2 injection: **no**
- Fertilizer irrigation system: **automatic**
- EC/PH measurement: **automatic**
- Temperature and humidity measurement: **automatic**
- Application C Ayurveda Pack: **manual according to the program**

PROTOCOLS

- A trial is composed of **8 replicates and as many controls** (significance of the sample controlled by **the Q2**)
- One test is duplicated **4 times a year** to consider possible interactions with the outside temperature.
 - **Winter** planting
 - **Spring** planting
 - **Summer** planting
 - **Autumn** planting
- Results are averages of all trials **over the 4 seasons**
- Consistency checks are performed using the **standard deviation method**
- Only **consistent** trials are selected (**accident-free** agronomic conditions)

Average quantitative data on page 2

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SUMMARY OF TRIALS CONDUCTED FROM 2015 TILL 2019

BASIC MINERAL PROGRAM: CANNA PRODUCT RANGE

BREED USED FOR ALL TRIALS: **Amnesia****

** (TRIAL RESULTS FROM ALL THE OTHER STUDIED BREEDS WILL BE PRESENTED AT A REGULAR PACE)

100% MINERAL	
PLANT HEIGHT (cm)	85
APICAL FLOWER HEIGHT (cm)	8,9
N° OF SIDE SHOOTS without apical flower	18
TOTAL N° OF FLOWERS	70
WEIGHT OF APICAL FLOWER ALONE (g)	2,30
TOTAL FLOWERS WEIGHT (g)	37,80
TOTAL VEG. PARTS (g)	19,00
AVERAGE N° OF FLOWERS PER SHOOT	3,89
AVERAGE WEIGHT PER FLOWER (g)	0,54
% OF FLOWERS	66,55%
% VEGETATIVE PARTS	33,45%

MINERAL + JANGH		%
PLANT HEIGHT (cm)	85	0%
APICAL FLOWER HEIGHT (cm)	12,5	40%
N° OF SIDE SHOOTS without apical flower	22	22%
TOTAL N° OF FLOWERS	72	3%
WEIGHT OF APICAL FLOWER ALONE (g)	3,2	39%
TOTAL FLOWERS WEIGHT (g)	38,5	2%
TOTAL VEG. PARTS (g)	15,6	-18%
AVERAGE N° OF FLOWERS PER SHOOT	3,27	-16%
AVERAGE WEIGHT PER FLOWER (g)	0,535	-1%
% OF FLOWERS	71,16%	7%
% VEGETATIVE PARTS	28,84%	-14%

MINERAL + KHAN-GEE		%
PLANT HEIGHT (cm)	88	4%
APICAL FLOWER HEIGHT (cm)	11,4	28%
N° OF SIDE SHOOTS without apical flower	16	-11%
TOTAL N° OF FLOWERS	55	-21%
WEIGHT OF APICAL FLOWER ALONE (g)	2,9	26%
TOTAL FLOWERS WEIGHT (g)	39,2	4%
TOTAL VEG. PARTS (g)	12,6	-34%
AVERAGE N° OF FLOWERS PER SHOOT	3,44	-12%
AVERAGE WEIGHT PER FLOWER (g)	0,713	32%
% OF FLOWERS	75,68%	14%
% VEGETATIVE PARTS	24,32%	-27%

MINERAL + TAJHAL		%
PLANT HEIGHT (cm)	92	8%
APICAL FLOWER HEIGHT (cm)	12,3	38%
N° OF SIDE SHOOTS without apical flower	29	61%
TOTAL N° OF FLOWERS	69	-1%
WEIGHT OF APICAL FLOWER ALONE (g)	3	30%
TOTAL FLOWERS WEIGHT (g)	42	11%
TOTAL VEG. PARTS (g)	18,7	-2%
AVERAGE N° OF FLOWERS PER SHOOT	2,38	-39%
AVERAGE WEIGHT PER FLOWER (g)	0,609	13%
% OF FLOWERS	69,19%	4%
% VEGETATIVE PARTS	30,81%	-8%

MINERAL + MUDRI		%
PLANT HEIGHT (cm)	86	1%
APICAL FLOWER HEIGHT (cm)	10	12%
N° OF SIDE SHOOTS without apical flower	25	39%
TOTAL N° OF FLOWERS	58	-17%
WEIGHT OF APICAL FLOWER ALONE (g)	4,5	96%
TOTAL FLOWERS WEIGHT (g)	45	19%
TOTAL VEG. PARTS (g)	16,4	-14%
AVERAGE N° OF FLOWERS PER SHOOT	2,32	-40%
AVERAGE WEIGHT PER FLOWER (g)	0,776	44%
% OF FLOWERS	73,29%	10%
% VEGETATIVE PARTS	26,71%	-20%

MINERAL + YETRA		%
PLANT HEIGHT (cm)	89	5%
APICAL FLOWER HEIGHT (cm)	11,6	30%
N° OF SIDE SHOOTS without apical flower	18	0%
TOTAL N° OF FLOWERS	76	9%
WEIGHT OF APICAL FLOWER ALONE (g)	5,1	122%
TOTAL FLOWERS WEIGHT (g)	52,6	39%
TOTAL VEG. PARTS (g)	12,9	-32%
AVERAGE N° OF FLOWERS PER SHOOT	4,22	9%
AVERAGE WEIGHT PER FLOWER (g)	0,692	28%
% OF FLOWERS	80,31%	21%
% VEGETATIVE PARTS	19,69%	-41%

Results obtained using the complete **C. Ayurveda Pack** are significantly higher than those obtained from each formulation applied separately. The combination of these 5 formulations produces a powerful synergistic effect allowing plants to fully express their genetic potential.

MINERAL + COMPLETE PACK		%
PLANT HEIGHT (cm)	91	7%
APICAL FLOWER HEIGHT (cm)	13,6	53%
N° OF SIDE SHOOTS without apical flower	22	22%
TOTAL N° OF FLOWERS	75	7%
WEIGHT OF APICAL FLOWER ALONE (g)	6,3	174%
TOTAL FLOWERS WEIGHT (g)	89,2	136%
TOTAL VEG. PARTS (g)	20,1	6%
AVERAGE N° OF FLOWERS PER SHOOT	3,41	-12%
AVERAGE WEIGHT PER FLOWER (g)	1,189	120%
% OF FLOWERS	81,61%	23%
% VEGETATIVE PARTS	18,39%	-45%



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INDOOR TRIALS UNDERSTANDING YIELDS

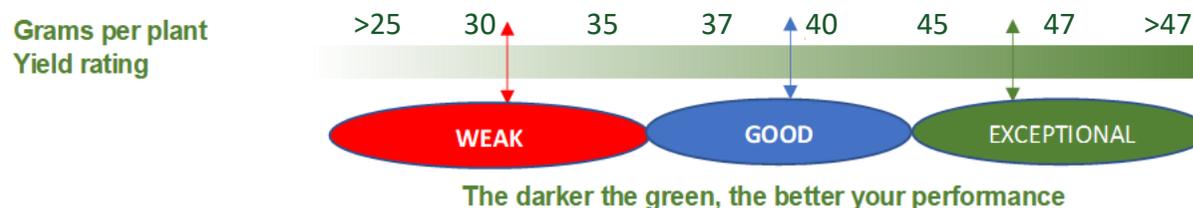
YUKHA ONLY SHOWS RESULTS FROM INDOOR PRODUCTION AS IT IS MAINLY USED FOR CULTIVATION OF RECREATIONAL CANNABIS

- There is a de facto convention that determines that:
 - Indoor plant yield is always **registered in grams / m²**
 - Outdoor plant yield is always **registered in grams / plants**

YUKHA HAS ACHIEVED VERY SIGNIFICANT RESULTS IN INCREASING YIELDS IN INDOOR PRODUCTION

- Yields normally obtained in indoor production for the **Amnesia variety vary between 600 and 750 grams per m², with 16 plants per m² we can say that these yields per m² represent:**
 - **37 grams** for the least performing producers
 - **47 grams** for the Amnesia Champions
- ➔ In the average Yukha trial, we get about **38.8 grams per control plant**
- ➔ So, we can consider ourselves to be in the group of **good growers**
- ➔ The average yield obtained on plants **treated with C. Ayurveda Pack being 89.2 grams per plant**, we can consider an **increase of 136%** compared to the controls **but we can also say that we have improved the yield of the Amnesia champions by 89.8%**

TABLE OF YOUR YIELDS WITH THE VARIETY AMNESIA



The Yukha Team



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