iGrow V

INDUSTRIAL HEMP — FOR SEEDS, * FIBERS

FOLIAR FEEDING

Growth phase	Organogenetic phase		Use rates
Seedling emergence	I II	Differentiation of growth cone Differentiation of stem, initiation of leaves and axes of 2nd and subsequent orders	3.2 l/ha
Second pair of true leaves	III IV V VI VII	Differentiation of inflorescence axes Initiation of flower organs Differentiation of flower organs Formation of flower organs Growth of flower organs	3.2 l/ha
Inflorescence formation	VIII	Completion of organ formation in male and female flowers	3.2 l/ha
Flowering	IX X	Blooming and fertilization of female flowers, formation of bast fibers Formation of bast fibers, seeds	3.2 l/ha
		Total per season	**12.8 l/ha**

Depending on the ripening performance of your crop variety, you may have to double the number of treatments within a phase.

The recommended product rates should be administered in a working solution applied at 200–300 l/ha. These application rates need not be changed when using low-volume and ultra-low-volume spraying techniques.

* We recommend you apply additional treatment at 1 l/ha after the topping.

MEDICAL HEMP

DRIP IRRIGATION

Growth phase	Germination	Seedling	Vegetative	Flowering	
How to use	Seed soaking	With irrigation water			Stop feeding the plants with iGrow 2–3 weeks before harvest
Use rates	**iGrow M5** 2.5 g / 1 l of water	**iGrow M5** 0.5 g / 1 l of water	**iGrow M5** 0.5 g / 1 l of water	**iGrow V** 16 ml / 1L of water	

ROOT ZONE WATERING

Growth phase	Germination	Seedling	Vegetative	Flowering	
How to use	Seed soaking	Each watering			Stop feeding the plants with iGrow 2–3 weeks before harvest
Use rates	**iGrow M5** 2.5 g / 1 l of water	**iGrow M5** 1 g / 1 l of water	**iGrow M5** 1 g / 1 l of water	**iGrow V** 30 ml / 1L of water	

FOLIAR FEEDING (SPRAYING)

Growth phase	Germination	Seedling	Vegetative	Flowering	
How to use	Seed soaking	Foliar application once in a week			Stop feeding the plants with iGrow 2–3 weeks before harvest
Use rates	**iGrow M5** 2.5 g / 1 l of water	**iGrow M5** 1 g / 1 l of water	**iGrow M5** 0.5 g / 1 l of water	**iGrow V** 10 ml / 1L of water	

Recommended application method is in a tank mix combined with pesticides to de-stress plants.

Never add the product directly to the stock solution of the agrochemical.

Solution concentration 0,05% referenced to 10 l of water — 85 ml of iGrow V.

FOLIAR FEEDING

Our recommendations have been developed for professional applications based on data obtained in field tests. Consequently, all recommended rates are stated per tonne of seeds and per hectare of crop production area.

The recommended amount for foliar treatment should be administered in a working solution applied at the rate of 200–300 l/ha. The amount of fertilizer need not be changed when using low-volume and ultra-low-volume spraying techniques.

If your requirements are lower, just reduce the recommended amount by an appropriate percentage. For example, if your foliar application calls for 5 liters of our fertilizer per hectare of your potato field, then the per-acre equivalent will be as low as 2 liters, diluted to produce 120 liters of working solution.

Winter and spring cereals (Wheat, barley, oat, triticale, rye, millet)	
Tillering	1.2–1.6 l/ha
Booting	1.2–1.6 l/ha
Heading	1.2–1.6 l/ha
Milk stage	1.2–1.6 l/ha
Total per season	**4.8–6.4 l/ha**

Pulses (Soy, pea, phaseolus, lentil, chickpea)	
Seedling emergence	1.2–2.0 l/ha
1–3 Leaves	1.2–2.0 l/ha
Branching	1.2–2.0 l/ha
Bud formation	1.2–2.0 l/ha
Flowering	1.2–2.0 l/ha
Total per season	**6.0–10.0 l/ha**

Maize	
Seedling emergence	2.0–4.0 l/ha
3–5 Leaves	2.0–4.0 l/ha
6–8 Leaves	2.0–4.0 l/ha
Panicle emergence	2.0–4.0 l/ha
Total per season	**8.0–16.0 l/ha**

Sunflower	
Seedling emergence	3.0–4.0 l/ha
1 Pair of leaves	3.0–4.0 l/ha
2–3 Pairs of leaves	3.0–4.0 l/ha
5–7 Pairs of leaves	3.0–4.0 l/ha
Bud formation	3.0–4.0 l/ha
Flowering	3.0–4.0 l/ha
Total per season	**18.0–24.0 l/ha**

Rape	
Seedling emergence	1.2–4.0 l/ha
3–4 Leaves	1.2–4.0 l/ha
Rosette formation	1.2–4.0 l/ha
Stem elongation	1.2–4.0 l/ha
Bud formation	1.2–4.0 l/ha
Flowering	1.2–4.0 l/ha
Total per season	**7.2–24.0 l/ha**

Rice	
Tillering	3.0–4.0 l/ha
Booting	3.0–4.0 l/ha
Panicle emergence	3.0–4.0 l/ha
Total per season	**9.0–12.0 l/ha**

Buckwheat, millet	
3–5 Leaves	0.6–1.2 l/ha
Flower-bud formation – early flowering	0.6–1.2 l/ha
Flowering	0.6–1.2 l/ha
Total per season	**1.8–3.6 l/ha**

Sugar beet	
Seed leaves	1.2–4.0 l/ha
2 Leaves	1.2–4.0 l/ha
4 Leaves	1.2–4.0 l/ha
6 Leaves	1.2–4.0 l/ha
8 Leaves	1.2–4.0 l/ha
50 % Between-rows crop cover	1.2–4.0 l/ha
Total per season	**7.2–24.0 l/ha**

Potato	
Seedling emergence	3.0–5.0 l/ha
Stem elongation	3.0–5.0 l/ha
Bud formation	3.0–5.0 l/ha
Flowering	3.0–5.0 l/ha
Total per season	**12.0–20.0 l/ha**

Carrot	
Seed leaves	1.2–4.0 l/ha
2 Leaves	1.2–4.0 l/ha
4 Leaves	1.2–4.0 l/ha
5–7 Leaves	1.2–4.0 l/ha
8–10 Leaves	1.2–4.0 l/ha
50 % Between-rows crop cover	1.2–4.0 l/ha
Total per season	**7.2–24.0 l/ha**

Onion, garlic	
Seedling emergence	1.0–3.0 l/ha
1–2 Leaves	1.0–3.0 l/ha
2–4 Leaves	1.0–3.0 l/ha
4–6 Leaves	1.0–3.0 l/ha
Vegetative mass growth	1.0–3.0 l/ha
Bulb formation	1.0–3.0 l/ha
Total per season	**6.0–18.0 l/ha**

Cabbage	
Seedling emergence	1.2–2.0 l/ha
1–2 Leaves	1.2–2.0 l/ha
2–4 Leaves	1.2–2.0 l/ha
Early head formation	1.2–2.0 l/ha
Head fill	1.2–2.0 l/ha
Total per season	**13.2–18.0 l/ha**

Tomato	
Seedling emergence	2.0–4.0 l/ha
1–2 Leaves	2.0–4.0 l/ha
2–4 Leaves	2.0–4.0 l/ha
6–8 Leaves	2.0–4.0 l/ha
Bud formation	2.0–4.0 l/ha
Flowering	2.0–4.0 l/ha
Fruit set	2.0–4.0 l/ha
Total per season	**14.0–28.0 l/ha**

Bell pepper, eggplant	
Seedling emergence	2.0–4.0 l/ha
1–2 Leaves	2.0–4.0 l/ha
2–4 Leaves	2.0–4.0 l/ha
3–5 Leaves	2.0–4.0 l/ha
Bud formation	2.0–4.0 l/ha
Flowering	2.0–4.0 l/ha
Fruit set	2.0–4.0 l/ha
Total per season	**14.0–28.0 l/ha**

Cucumber, zucchini	
Seedling emergence	2.0–4.0 l/ha
1–2 Leaves	2.0–4.0 l/ha
2–4 Leaves	2.0–4.0 l/ha
6–8 Leaves	2.0–4.0 l/ha
Bud formation	2.0–4.0 l/ha
Flowering	2.0–4.0 l/ha
Fruit set	2.0–4.0 l/ha
Total per season	**14.0–28.0 l/ha**

Melon	
Seedling emergence	2.0–4.0 l/ha
1–2 Leaves	2.0–4.0 l/ha
2–4 Leaves	2.0–4.0 l/ha
6–8 Leaves	2.0–4.0 l/ha
Bud formation	2.0–4.0 l/ha
Flowering	2.0–4.0 l/ha
Fruit set	2.0–4.0 l/ha
Total per season	**14.0–28.0 l/ha**

Garden strawberry	
Springtime leaf regrowth	1.2–3.0 l/ha
Early flower-bud formation	1.2–3.0 l/ha
Flowering	1.2–3.0 l/ha
Post-harvest care	1.2–3.0 l/ha
Total per season	**4.8–12.0 l/ha**

Grape	
Budbreak	3.0–6.0 l/ha
2–5 Leaves	3.0–6.0 l/ha
5–8 Leaves	3.0–6.0 l/ha
Flower cluster initiation, flowering	3.0–6.0 l/ha
Late flowering, fruit set	3.0–6.0 l/ha
Berry growth	3.0–6.0 l/ha
Berry coloring	3.0–6.0 l/ha
Total per season	**21.0–42.0 l/ha**

Pip fruits	
'Green cone'	3.0–9.0 l/ha
Flower-bud separation	3.0–9.0 l/ha
'Pink bud'	3.0–9.0 l/ha
'Hazelnut'	3.0–9.0 l/ha
'Walnut'	3.0–9.0 l/ha
Fruit growth	3.0–9.0 l/ha
Total per season	**18.0–54.0 l/ha**

Stone fruits	
Late flowering	3.0–9.0 l/ha
Formation of petiolar fossa	3.0–9.0 l/ha
Fruit growth	3.0–9.0 l/ha
Post-harvest care	3.0–9.0 l/ha
Total per season	**12.0–36.0 l/ha**

Lawn grasses	
Early regrowth	100 ml / 10 l of water
Vegetation	100 ml / 10 l of water
Late vegetation	100 ml / 10 l of water

Flower crops	
Bulbs, cuttings	100 ml / 10 l of water
Early vegetation	100 ml / 10 l of water
Bud formation	100 ml / 10 l of water
Early flowering	100 ml / 10 l of water

Ornamental shrubs	
Cuttings, transplants	100 ml / 10 l of water
Budbreak	100 ml / 10 l of water
Bud formation	100 ml / 10 l of water
Flowering	100 ml / 10 l of water
Vegetative mass growth	100 ml / 10 l of water