



# VENTANA

## PLANT SCIENCE

### Ventana Plant Science Commercial Line

#### REVERSE OSMOSIS (RO) WATER FEEDING CHART (0 - 150 PPM/0 - 0.3 EC)

Week	Vegetative Phase				Flowering Phase							
	1	2	3	4	1	2	3	4	5	6	7	8
VPS FlaVUH 4-0-4	1 ml	1 ml	2 ml	2 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml
VPS Commercial Silicon	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml
VPS Commercial Grow	2 g	2 g	3 g	3 g								
VPS Commercial Bloom					3 g	3 g	3 g	3 g	3.25 g	3.25 g	3.25 g	3.25 g
VPS Calcium Nitrate	2 g	2 g	2.25 g	2.25 g	3 g	3 g	3 g	3 g	2.5 g	2.5 g	2.5 g	2.5 g
VPS Magnesium Sulfate	1 g	1 g	1.5 g	1.5 g	2 g	2 g	2 g	2 g	2.5 g	2.5 g	2.5 g	2.5 g

  

Expected EC	1.6	2.2	2.7	2.6
Expected PPM (500)	800	1100	1350	1300
Expected PPM (700)	1120	1540	1890	1820

  

VPS Microbes	0.3 g / Week				0.3 g / Week							
VPS Kelp				1 g			1 g	1 g	2 g	2 g	2 g	1 g

#### Notes

1. Feed upto 6 days a week, with 1 day per week reserved for plain water with VPS Microbes and/or Kelp. EC/PPM Data are estimates, ranges  $\pm 0.3$  EC are acceptable.
2. Rates are per gallon of water and based on **optimized** growth conditions. Feeding rates and watering schedules will vary depending on the environment (VPD, CO<sub>2</sub>, PPF) and size of the crop. Fertilizer rates may be adjusted to suit cultivar and/or environmental conditions.
3. VPS Nutrients are formulated to not contain heavy metals, unnatural organic compounds or unnecessary additives, so a flush is not necessary.
4. Mixing order is as follows: FlaVUH, Silicon, Grow/Bloom, Calcium Nitrate, Magnesium Sulfate. **Apply Microbes and Kelp with only water for best results.** If using inline fertigation system, ensure mixing step exists after Silicon injection. Post irrigation line clearing with RO or treated RO is recommended for drip irrigation.