

# GROTEK PRECISION

## KEY FEATURES

- A 3-part, full-cycle fertility package designed for heavy feeding, high yielding cannabis strains.
- Nutrient ratios and concentrations based on current research on cannabis crop production.
- Micronutrient levels ensure adequate plant nutrition while minimizing waste and contamination risk.
- Fully soluble and pure mineral fertilizer
- Added fulvic acid.
- Concentrated formulation with low application rate.



# COMPARISON

## GROTEK PRECISION VS. LEADING COMPETITOR

- Micronutrient concentrations based on current knowledge of cannabis nutrition:

- Increased supply of iron, zinc & boron.



- Reduced manganese to match actual crop uptake and reduce environmental contamination risk.



- Precision has an improved N:K ratio to support strong vegetative and generative growth.
- Precision is designed to better match nutrient demand throughout the crop cycle, supplying more of key nutrients, like calcium, phosphorus and potassium earlier in the blooming cycle when the plant is determining yield potential.
- Grotek Precision provides more phosphorus and potassium during flowering.

## SEEDLING

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	1 ml/L	33	5	38	-	13	2	-	-	-	-	-	-
PRECISION Bloom	0.5 ml/L	1	14	17	-	6	7	-	-	-	-	-	-
PRECISION Micro	1 ml/L	45	-	17	47	-	-	1.6	0.26	0.43	0.22	0.10	0.011
<b>GROTEK TOTAL</b>		<b>78</b>	<b>18</b>	<b>73</b>	<b>47</b>	<b>19</b>	<b>9</b>	<b>1.6</b>	<b>0.26</b>	<b>0.43</b>	<b>0.22</b>	<b>0.10</b>	<b>0.011</b>
<b>DIFFERENCE</b>		<b>32</b>	<b>1</b>	<b>12</b>	<b>14</b>	<b>6</b>	<b>3</b>	<b>0.9</b>	<b>-0.07</b>	<b>0.34</b>	<b>0.16</b>	<b>0.04</b>	<b>0.006</b>
<b>COMPETITOR TOTAL</b>		<b>46</b>	<b>17</b>	<b>60</b>	<b>33</b>	<b>13</b>	<b>7</b>	<b>0.7</b>	<b>0.33</b>	<b>0.10</b>	<b>0.07</b>	<b>0.07</b>	<b>0.005</b>
COMPETITOR Micro	0.65 ml/L	33	-	5	33	-	-	0.7	0.33	0.10	0.07	0.07	0.005
COMPETITOR Bloom	0.65 ml/L	-	14	22	-	10	7	-	-	-	-	-	-
COMPETITOR Grow	0.65 ml/L	13	3	33	-	3	-	-	-	-	-	-	-

## TRANSPLANT

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	2 ml/L	65	9	77	-	26	4	-	-	-	-	-	-
PRECISION Bloom	1 ml/L	2	27	34	-	13	14	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.45	0.21	0.023
<b>GROTEK TOTAL</b>		<b>156</b>	<b>37</b>	<b>145</b>	<b>94</b>	<b>38</b>	<b>18</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>5</b>	<b>11</b>	<b>-25</b>	<b>-5</b>	<b>15</b>	<b>12</b>	<b>1.1</b>	<b>-0.47</b>	<b>0.57</b>	<b>0.25</b>	<b>0.01</b>	<b>0.007</b>
<b>COMPETITOR TOTAL</b>		<b>152</b>	<b>26</b>	<b>170</b>	<b>99</b>	<b>23</b>	<b>7</b>	<b>2</b>	<b>0.99</b>	<b>0.30</b>	<b>0.20</b>	<b>0.20</b>	<b>0.016</b>
COMPETITOR Micro	2 ml/L	99	-	16	99	-	-	2.0	0.99	0.30	0.20	0.20	0.016
COMPETITOR Bloom	0.65 ml/L	-	14	22	-	10	7	-	-	-	-	-	-
COMPETITOR Grow	2.6 ml/L	53	12	131	-	13	-	-	-	-	-	-	-



## VEGETATIVE

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	3 ml/L	98	14	115	-	39	6	-	-	-	-	-	-
PRECISION Bloom	1.5 ml/L	3	41	51	-	19	22	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.45	0.21	0.023
<b>GROTEK TOTAL</b>		<b>190</b>	<b>55</b>	<b>201</b>	<b>94</b>	<b>58</b>	<b>28</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>5</b>	<b>14</b>	<b>3</b>	<b>-38</b>	<b>25</b>	<b>15</b>	<b>0.5</b>	<b>-0.80</b>	<b>0.47</b>	<b>0.19</b>	<b>-0.06</b>	<b>0.001</b>
<b>COMPETITOR TOTAL</b>		<b>185</b>	<b>40</b>	<b>197</b>	<b>132</b>	<b>33</b>	<b>13</b>	<b>2.6</b>	<b>1.32</b>	<b>0.40</b>	<b>0.26</b>	<b>0.26</b>	<b>0.022</b>
COMPETITOR Micro	2.6 ml/L	132	-	22	132	-	-	2.6	1.32	0.40	0.26	0.26	0.022
COMPETITOR Bloom	1.3 ml/L	-	29	44	-	20	13	-	-	-	-	-	-
COMPETITOR Grow	2.6 ml/L	53	12	131	-	13	-	-	-	-	-	-	-

## PRE-FLOWER

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	2 ml/L	65	9	77	-	26	4	-	-	-	-	-	-
PRECISION Bloom	2 ml/L	4	54	68	-	25	29	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.45	0.21	0.023
<b>GROTEK TOTAL</b>		<b>158</b>	<b>64</b>	<b>179</b>	<b>94</b>	<b>51</b>	<b>33</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>20</b>	<b>12</b>	<b>-2</b>	<b>-5</b>	<b>11</b>	<b>13</b>	<b>1.1</b>	<b>-0.47</b>	<b>0.57</b>	<b>0.25</b>	<b>0.01</b>	<b>0.007</b>
<b>COMPETITOR TOTAL</b>		<b>139</b>	<b>52</b>	<b>181</b>	<b>99</b>	<b>40</b>	<b>20</b>	<b>2</b>	<b>0.99</b>	<b>0.30</b>	<b>0.20</b>	<b>0.20</b>	<b>0.016</b>
COMPETITOR Micro	2 ml/L	99	-	16	99	-	-	2.0	0.99	0.30	0.20	0.20	0.016
COMPETITOR Bloom	2 ml/L	-	43	66	-	30	20	-	-	-	-	-	0.001
COMPETITOR Grow	2 ml/L	40	9	99	-	10	-	-	-	-	-	-	-



## FLOWERING: WEEK 1-2

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	1 ml/L	33	5	38	-	13	2	-	-	-	-	-	-
PRECISION Bloom	2.5 ml/L	5	68	85	-	31	36	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.48	0.21	0.023
<b>GROTEK TOTAL</b>		<b>126</b>	<b>73</b>	<b>158</b>	<b>94</b>	<b>44</b>	<b>38</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>14</b>	<b>12</b>	<b>21</b>	<b>-5</b>	<b>2</b>	<b>12</b>	<b>1.1</b>	<b>-0.47</b>	<b>0.57</b>	<b>0.25</b>	<b>0.01</b>	<b>0.006</b>
<b>COMPETITOR TOTAL</b>		<b>112</b>	<b>60</b>	<b>137</b>	<b>99</b>	<b>43</b>	<b>26</b>	<b>2</b>	<b>0.99</b>	<b>0.30</b>	<b>0.20</b>	<b>0.20</b>	<b>0.017</b>
COMPETITOR Micro	2 ml/L	99	-	16	99	-	-	2	0.99	0.30	0.20	0.20	0.016
COMPETITOR Bloom	2.6 ml/L	-	58	88	-	40	26	-	-	-	-	-	0.001
COMPETITOR Grow	0.65 ml/L	13	3	33	-	3	-	-	-	-	-	-	-

## FLOWERING: WEEK 3-4

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	1 ml/L	33	5	38	-	13	2	-	-	-	-	-	-
PRECISION Bloom	3 ml/L	6	81	102	-	38	43	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.45	0.21	0.023
<b>GROTEK TOTAL</b>		<b>127</b>	<b>86</b>	<b>175</b>	<b>94</b>	<b>51</b>	<b>45</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>15</b>	<b>11</b>	<b>16</b>	<b>-5</b>	<b>-2</b>	<b>12</b>	<b>1.1</b>	<b>-0.47</b>	<b>0.57</b>	<b>0.25</b>	<b>0.01</b>	<b>0.006</b>
<b>COMPETITOR TOTAL</b>		<b>112</b>	<b>75</b>	<b>159</b>	<b>99</b>	<b>53</b>	<b>33</b>	<b>2</b>	<b>0.99</b>	<b>0.30</b>	<b>0.20</b>	<b>0.20</b>	<b>0.017</b>
COMPETITOR Micro	2 ml/L	99	-	16	99	-	-	2	0.99	0.30	0.20	0.20	0.016
COMPETITOR Bloom	3.3 ml/L	-	72	110	-	49	33	-	-	-	-	-	0.001
COMPETITOR Grow	0.65 ml/L	13	3	33	-	3	-	-	-	-	-	-	-



## FLOWERING: WEEK 5-6

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	1 ml/L	33	5	38	-	13	2	-	-	-	-	-	-
PRECISION Bloom	3 ml/L	6	81	102	-	38	43	-	-	-	-	-	-
PRECISION Micro	2 ml/L	89	-	34	94	-	-	3.1	0.52	0.87	0.45	0.21	0.023
<b>GROTEK TOTAL</b>		<b>127</b>	<b>86</b>	<b>175</b>	<b>94</b>	<b>51</b>	<b>45</b>	<b>3.1</b>	<b>0.52</b>	<b>0.87</b>	<b>0.45</b>	<b>0.21</b>	<b>0.023</b>
<b>DIFFERENCE</b>		<b>28</b>	<b>-</b>	<b>27</b>	<b>-5</b>	<b>-9</b>	<b>6</b>	<b>1.1</b>	<b>-0.47</b>	<b>0.57</b>	<b>0.25</b>	<b>0.01</b>	<b>0.006</b>
<b>COMPETITOR TOTAL</b>		<b>99</b>	<b>86</b>	<b>148</b>	<b>99</b>	<b>59</b>	<b>40</b>	<b>2</b>	<b>0.99</b>	<b>0.30</b>	<b>0.20</b>	<b>0.20</b>	<b>0.017</b>
COMPETITOR Micro	2 ml/L	99	-	16	99	-	-	2	0.99	0.30	0.20	0.20	0.016
COMPETITOR Bloom	4 ml/L	-	86	131	-	59	40	-	-	-	-	-	0.016
COMPETITOR Grow	0 ml/L	-	-	-	-	-	-	-	-	-	-	-	-

## FLOWERING: WEEK 7

INGREDIENT	Recommended Application Rate	N	P	K	Ca	Mg	S	Fe	Mn	Zn	B	Cu	Mo
PRECISION Grow	0 ml/L	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION Bloom	3 ml/L	6	81	102	-	38	43	-	-	-	-	-	-
PRECISION Micro	1.5 ml/L	67	-	26	71	-	-	2.3	0.39	0.65	0.34	0.16	0.017
<b>GROTEK TOTAL</b>		<b>72</b>	<b>81</b>	<b>128</b>	<b>71</b>	<b>38</b>	<b>43</b>	<b>2.3</b>	<b>0.39</b>	<b>0.65</b>	<b>0.34</b>	<b>0.16</b>	<b>0.017</b>
<b>DIFFERENCE</b>		<b>7</b>	<b>-5</b>	<b>-15</b>	<b>5</b>	<b>-22</b>	<b>4</b>	<b>1</b>	<b>-0.27</b>	<b>0.45</b>	<b>0.20</b>	<b>0.02</b>	<b>0.005</b>
<b>COMPETITOR TOTAL</b>		<b>66</b>	<b>86</b>	<b>142</b>	<b>66</b>	<b>59</b>	<b>40</b>	<b>1.3</b>	<b>0.66</b>	<b>0.20</b>	<b>0.13</b>	<b>0.13</b>	<b>0.012</b>
COMPETITOR Micro	1.3 ml/L	66	-	11	66	-	-	1.3	0.66	0.20	0.13	0.13	0.011
COMPETITOR Bloom	4 ml/L	-	86	131	-	59	40	-	-	-	-	-	0.001
COMPETITOR Grow	0 ml/L	-	-	-	-	-	-	-	-	-	-	-	-

