



UNITED REPUBLIC OF TANZANIA  
MINISTRY OF AGRICULTURE  
TANZANIA FERTILIZER REGULATORY AUTHORITY



**FERTILIZER REGISTER BOOK FOR REGISTERED FERTILIZERS AND  
FERTILIZERS SUPPLEMENTS**

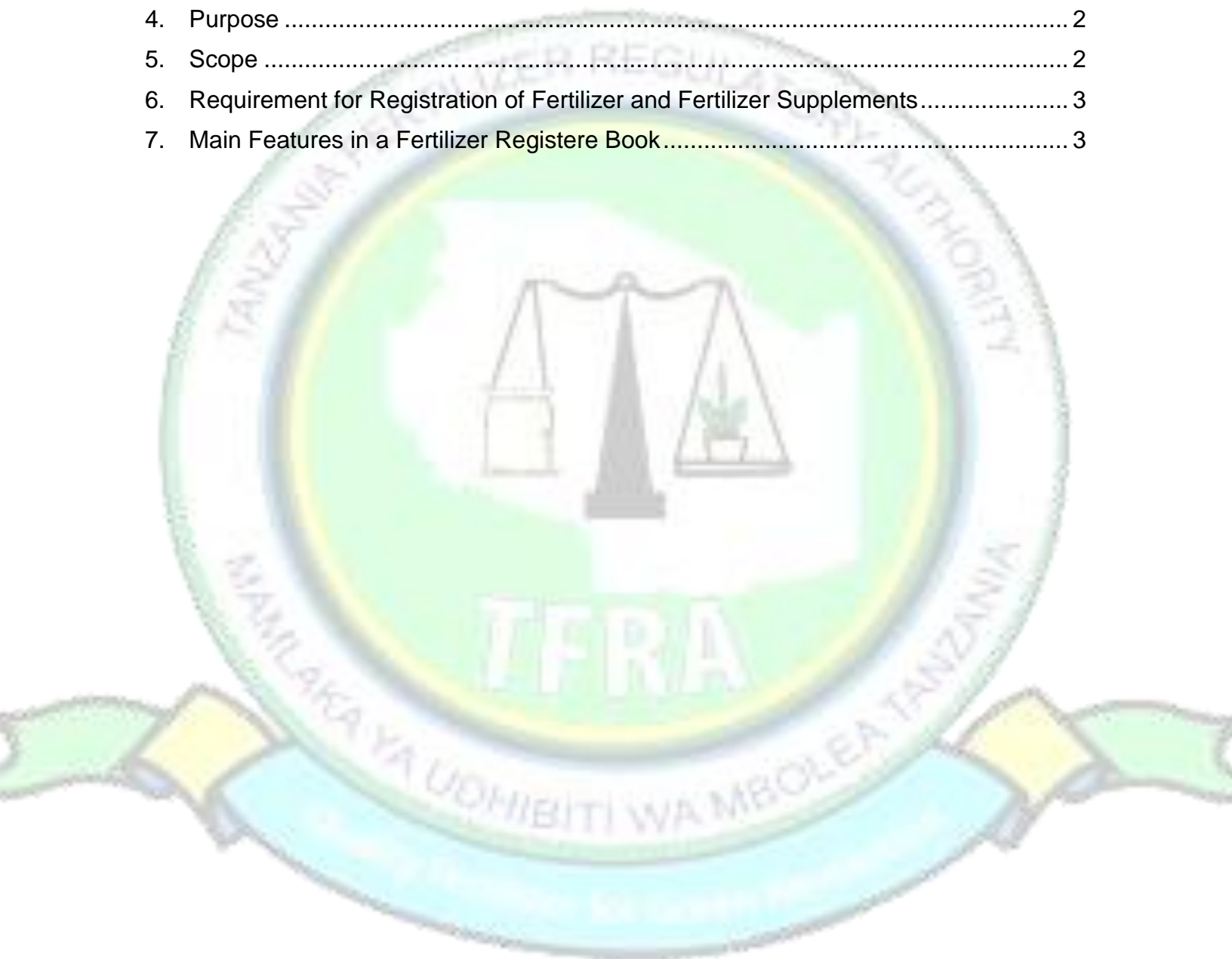
ISSUED BY THE EXECUTIVE DIRECTOR OF TANZANIA FERTILIZER  
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### **Preamble**

Tanzania Fertilizer Regulatory Authority (TFRA) has prepared Fertilizer Register Book (FRB) which shows the list of registered fertilizers in the United Republic of Tanzania. This list shows fertilizer and fertilizer supplements (FFS) which have been registered as per Fertilizer Act No.9 of 2009 and its Fertilizer Regulations of 2011. This FRB shows the trade name of fertilizer, nutrient content, registration number, year of registration and common use. This FRB intend to provide a technical assistance and assurance on the quality of fertilizer to all stakeholders involved in fertilizer industry which include among others administrators, fertilizer dealers, fertilizer inspectors, extension officers and farmers.

This FRB will provide assurance to the users that the fertilizer or fertilizer supplements listed have been tested or validated and registered by TFRA and on the other hand, FRB will be used as the enforcement tool for compliance.


Thus, FRB intends to provide information to stakeholders that the listed FFS in this book have been registered by TFRA after adhering to all the required standard and procedures as stated in the Act and Regulation. The use of this FRB is expected to contributed toward increase fertilizer investors, agricultural productivity, livelihood and hence ensure national food security.

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## 1. Definition of abbreviations



Al:	Aluminium
B:	Boron
Ca:	Calcium
CaO:	Calcium Oxide
Co:	Cobalt
Cu:	Copper
DAP:	Di ammonium Phosphate
Fe:	Iron
FFS:	Fertilizer and Fertilizer Supplements
FRB:	Fertilizer Register Book
K:	Potassium
Mg:	Magnesium
MgO:	Magnesium Oxide
Mn:	Manganese
Mo:	Molybdenum
MOP:	Muriel of Potash or Potassium Chloride
N:	Nitrogen
OM:	Organic Matter
P:	Phosphorus
PPM:	Parts per million
S:	Sulphur
TE:	Trace Element
TFRA:	Tanzania Fertilizer Regulatory Authority
Zn:	Zinc



## 2. Definition of terms



<b>"Director"</b>	means	The Executive Director of the Tanzania Fertilizer Regulatory Authority appointed under section 7
<b>"Fertilizer supplement"</b>	means	any substance or mixture of substances, other than a fertilizer, that is manufactured, sold or represented for use in the improvement of the physical condition of soils or to aid plant growth or crop yields
<b>"Inspector"</b>	means	a person appointed or designated as an Inspector pursuant to section 33;
<b>"Act"</b>	Means	The Fertilizer Act No. 9 of 2009
<b>"Authority"</b>	means	The power or rights to give orders, make decisions and enforce obedience.
<b>"Regulations"</b>	Means	Fertilizer regulations, 2011
<b>"Trade name"</b>	Means	a name by which FFS is known in a trade
<b>"Nutrient Content"</b>	Means	Level of nutrient contained in fertilizer
<b>"Registration Number"</b>	Means	a number given to a registered fertilizer
<b>"Registrant"</b>	Means	a person who register trademark of a fertilizer
<b>"Common Use"</b>	Means	
<b>"Farmers"</b>	Means	a person who involve in agricultural activities
<b>"Efficacy"</b>	Means	Performance of the registered fertilizer
<b>"Quality"</b>	Means	a standard fertilizer as measured against its performance
<b>"Extension Officers"</b>	Means	a person who led farmers to use good agricultural practices

### **3. Introduction**

Tanzania Fertilizer Regulatory Authority (TFRA) is the Government Authority made under Section 3 of Fertilizer Act No.9 of 2009, mandated of regulating the manufacturing, exportations, marketing and use of fertilizer and fertilizer supplements in the country. This includes among others registering all fertilizer and fertilizer supplements.

Sections 8 and 9 of the Fertilizer Act No.9 of 2009 set out procedures for registration of FFS. Registration proceeds via assessing the suitability for use for the purpose of evaluating impacts to crops, soils, human health and the environment by carrying out laboratory analysis and efficacy trials. Trials are conducted for new fertilizers which contains new nutrients or microorganisms which had never been registered in Tanzania, for new formulations/blends which contain existing nutrients or already register nutrients prior to its registration it requires only laboratory analysis to test its conformity to the standards field evaluation should be optional.

Procedure for registration of fertilizer and fertilizer supplements are set out in The Fertilizer Regulations of 2011 regulations 3(1)(2)(3) and its amendments on The Fertilizer (amendments) Regulations, 2017 regulation 4. Section 15 of the Fertilizer Act No.9 of 2009 requires Publication and maintenance of register for all registered fertilizers.

### **4. Purpose**

This FRB shows the list of registered FFS in the United Republic of Tanzania. The main purpose is to provide information to fertilizer stakeholders that the fertilizer listed in this FRB have been registered and are in compliances with relevant standards and regulations and on the other hand, FRB will be used as the enforcement tool for compliance.

### **5. Scope**

This FRB comprise the list of all registered FFS which are eligible for use in United Republic of Tanzania and it will be used by all stakeholders includes administrators, decision makers, farmers, investors, researchers, extension officers and fertilizers dealers

## **6. Requirement for Registration of Fertilizer and Fertilizer Supplements**

Requirement for registration of FFS are set out in fertilizer regulation of 2011 regulation 3, which require an applicant to submit to the Director in a form as set out in the First Schedule to the Fertilizer Regulations of 2011 and shall be accompanied by

- i. The information on the suitability of the fertilizer and fertilizer supplements as to its use including technical data sheet and directions;
- ii. A sample of the fertilizer, fertilizer supplements and certificate of analysis, if already issued;
- iii. A written declaration that the fertilizer and fertilizer supplements have or have not been banned or restricted in the country of origin;
- iv. Three copies of the label that is intended to be used for the fertilizer and fertilizer supplements to which the application relates and such other information as is necessary to determine the safety, merit and value of such fertilizer or fertilizer supplements
- v. Such other information or document as may be required by the Director; and
- vi. Where an application is made by an applicant who is not resident in Tanzania, the fertilizer and fertilizer supplements to which the application relates shall not be eligible for registration, unless the application is signed by an agent of the applicant who is permanently resident in Tanzania and to whom any notice or correspondence under the Act may be sent and such agent gives an undertaking to the Director.

## **7. Main features in a fertilizer register Book**

The main features or information in a list of registered fertilizers are

- i. Registration Number
- ii. Nutrient Content
- iii. Common Use



S/NO	REGISTRATION NUMBER	NUTRIENT CONTENT	COMMON USE
1	0001	46%N	Vegetative
2	0002	18%N: 46%P <sub>2</sub> O <sub>5</sub>	Vegetative and Rooting
3	0003	11-12%N: 48-61% P <sub>2</sub> O <sub>5</sub>	Rooting and Vegetative
4	0004	26-27%N	Vegetative growth, Flowering and Fruiting
5	0005	21%N + 24% S	Vegetative growth
6	0006	46% P <sub>2</sub> O <sub>5</sub>	Rooting
7	0007	60%K <sub>2</sub> O	Flowering and Fruiting
8	0008	25%N: 5% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O	Rooting Vegetative, Flowering and Fruits
9	0009	17%N: 17% P <sub>2</sub> O <sub>5</sub> : 17%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
10	0010	16%N: 16% P <sub>2</sub> O <sub>5</sub> : 16%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
11	0011	20%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
12	0012	10%N: 18% P <sub>2</sub> O <sub>5</sub> : 24%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
13	0013	48-53%K <sub>2</sub> O + 17-18%S	Vegetative, Flowering
14	0014	6%N: 24% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + 1.5%Mg, 8%S, 0.25%B, Zn	Rooting, Vegetative, Flowering and Fruiting
15	0015	5%N: 20% P <sub>2</sub> O <sub>5</sub> : 24%K <sub>2</sub> O + 1%Mg, 10%S, 0.25%B, Zn	Rooting, Vegetative, Flowering and Fruiting
16	0021	1.5%Zn, 0.5%Mn	Vegetative



17	0022	9%N: 18% P <sub>2</sub> O <sub>5</sub> : 6%K <sub>2</sub> O + 25%CaO, 2%MgO, 5%S,0.1%B,0.5%Zn	Rooting, Vegetative, Flowering and Fruiting
18	0023	11%N +15%MgO	Vegetative growth,
19	0024	23%N: 10% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
20	0025	0.00002728% Cacl <sub>2</sub> , 0.00002728% MgSO <sub>4</sub> , 0.000798% Sulfate Castor Oil, 0.00596% Sodium Metasilicate, 1% Lignite Extract	Vegetative, Flowering and Fruiting
21	0026	23%N: 21% P <sub>2</sub> O <sub>5</sub> : 0%K <sub>2</sub> O + 4%S	Rooting, Vegetative, Flowering and Fruiting
22	0027	22%N: 6% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O + 2%CaO, 3%S, 1%MgO, 0.2%B, 0.2%Zn	Rooting, Vegetative, Flowering and Fruiting
23	0028	15.5%N + 26.5%CaO	Vegetative, Flowering and Fruiting
24	0030	17%N: 17% P <sub>2</sub> O <sub>5</sub> : 17%K <sub>2</sub> O	Rooting, Vegetative and Flowering
25	0031	15%N: 9% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + TE	Rooting, Vegetative, Flowering and Fruiting
26	0032	8%N: 14% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O	Rooting, Vegetative and Flowering
27	0033	8%N: 14% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O	Rooting, Vegetative and Flowering
28	0034	32%N: 10% P <sub>2</sub> O <sub>5</sub> 8K <sub>2</sub> O + TE	Rooting, Vegetative and Flowering
29	0035	15%N: 15% P <sub>2</sub> O <sub>5</sub> : 15%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
30	0036	52% P <sub>2</sub> O <sub>5</sub> : 34%K <sub>2</sub> O	Rooting and Flowering
31	0038	50%K <sub>2</sub> O + 3%H <sub>2</sub> S <sub>4</sub>	Flowering and Fruiting

32	0039	15% MgO + 98% Mg (NO <sub>3</sub> ) <sub>2</sub>	Vegetative
33	0043	5.5%N: 0% P <sub>2</sub> O <sub>5</sub> : 1%K <sub>2</sub> O + 0.05%B, 0.15%Zn, 0.5%Fe, 0.05%Cu, 0.3%Mn,4.7% Amino Acids, 22%OM	Vegetative, Fruiting and Flowering
34	0044	12%N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O + TE	vegetative and fruiting
35	0045	61.5% P <sub>2</sub> O <sub>5</sub> + 12.1% NH <sub>4</sub>	Rooting and Vegetative
36	0050	0.3%Mg, 11%S, 21.5%Zn, 0.004%Cu	vegetative and fruiting
37	0051	(Fe EDTA 7%)	Rooting, Vegetative and Flowering
38	0052	(Fe Edta 15%)	Rooting and Vegetative
39	0053	18%N: 20% P <sub>2</sub> O <sub>5</sub> : 21%K <sub>2</sub> O	Vegetative
40	0054	0%N: 50% P <sub>2</sub> O <sub>5</sub> : 30%K <sub>2</sub> O	Vegetative and Flowering
41	0055	14%N: 0% P <sub>2</sub> O <sub>5</sub> 0.2%K <sub>2</sub> O + 13%CaO, 2.5%Mg + TE	Vegetative
42	0056	CaCO <sub>3</sub>	Soil Conditioner
43	0057	CaSO <sub>4</sub> .2H <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
44	0058	14%N: 11% P <sub>2</sub> O <sub>5</sub> : 33%K <sub>2</sub> O	Rooting and Vegetative
45	0059	27%N: 10% P <sub>2</sub> O <sub>5</sub> : 16%K <sub>2</sub> O	Rooting, Vegetative, Flowering and Fruiting
46	0060	16%MgO + 12.5% S	Soil conditioner
47	0061	15.5% N + 18.5% Ca	Soil conditioner
48	0062	13%N: 46% K <sub>2</sub> O	Rooting, Vegetative, Flowering

49	0063	13%N: 44%K <sub>2</sub> O	Rooting +Vegetative+Flowering + Fruiting
50	0064	23% P <sub>2</sub> O <sub>5</sub> : 42%K <sub>2</sub> O + 0.1%B, 0.5%Zn, FV	Vegetative and Fruiting
51	0065	43% P <sub>2</sub> O <sub>5</sub> : 28%K <sub>2</sub> O + 2%MgO, 0.5%B, 0.2%Mn	Vegetative and Fruiting
52	0066	15%N: 15% P <sub>2</sub> O <sub>5</sub> 15%K <sub>2</sub> O	Vegetative and Flowering
53	0067	19%N: 19% P <sub>2</sub> O <sub>5</sub> 19%K <sub>2</sub> O + 3%MgO + Me	Rooting+Vegetative+Flowering and Fruiting
54	0068	46% P <sub>2</sub> O <sub>5</sub> 30%K <sub>2</sub> O + 2%MgO, 0.2%B, FV	Rooting+ Flowering and Fruiting
55	0069	11%N: 7% P <sub>2</sub> O <sub>5</sub> : 28%K <sub>2</sub> O + 2%MgO + Me	Rooting and Vegetative
56	0070	12%N: 8% P <sub>2</sub> O <sub>5</sub> : 23%K <sub>2</sub> O + 2%MgO + Me	Rooting +Vegetative and Flowering
57	0071	16%N: 8% P <sub>2</sub> O <sub>5</sub> : 16%K <sub>2</sub> O + 8%MgO + Me	Rooting+Vegetative
58	0072	20%N: 9% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + TE	Rooting+Vegetative and Fruiting
59	0073	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O + MgO + TE	Rooting+Vegetative and Fruiting
60	0074	18%N: 24% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + TE	Rooting+Vegetative and Fruiting
61	0076	6% Fe	Rooting+Vegetative and Fruiting
62	0077	Molybdenum 250	Rooting+Vegetative and Fruiting
63	0078	10%N: 20% P <sub>2</sub> O <sub>5</sub> + 25%CaO, 5%S, 0.5%Zn	Rooting+Vegetative and Fruiting
64	0079	15.4%N + 25.6%CaO, 0.3% B	Rooting+Vegetative and Fruiting
65	0080	40%N + 5.5%S	Flowering and Fruiting
66	0081	14%N: 14% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + MgO, 0.1% B	Rooting, Vegetative grownt



67	0082	15%N: 9% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + 3.8%S, 1.8%Mg, 0.02%B, 0.02%Mn, 0.02%Zn	Rooting
68	0083	24%N + 10.7%CaO, 6%S	Vegetative+Flowering and Fruiting
69	0084	20%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O + 4Mg	Vegetative and Fruiting
70	0085	21%N: 21% P <sub>2</sub> O <sub>5</sub> : 21%K <sub>2</sub> O	Rooting+Vegetative and Fruiting
71	0087	13% N, 44% K <sub>2</sub> O, 0.5% CaO, 0.5% MgO	Rooting+Vegetative and Flowering
72	0088	99% MgSO <sub>4</sub>	Vegetative+Flowering and Fruiting
73	0089	13%N: 2% P <sub>2</sub> O <sub>5</sub> :44% K <sub>2</sub> O	Rooting+Vegetative and Flowering
74	0090	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O + 2%MgO + B + Me	Rooting +Vegetative and Flowering
75	0091	4-6% N: 19-21% P <sub>2</sub> O <sub>5</sub>	Rooting and Vegetative
76	0092	12%N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O	Vegetative and Fruiting
77	0095	10%N: 10% P <sub>2</sub> O <sub>5</sub> 24%K <sub>2</sub> O	Rooting +Vegetative and Flowering
78	0096	15% N: 36% P <sub>2</sub> O <sub>5</sub> : 0% K <sub>2</sub> O	Vegetative
79	0097	31%N: 0% P <sub>2</sub> O <sub>5</sub> : 7K <sub>2</sub> O + 2% MgO + TE + FV	Rooting and Vegetative
80	0098	6%N: 18% P <sub>2</sub> O <sub>5</sub> : 37% K <sub>2</sub> O +2% MgO + TE + FV	Vegetative + Flowering and Fruiting
81	0099	5%N + 0.1%B, 0.75%Zn, 0.1%Fe, 0.1%Cu 0.5%Mn, 0.02%Mo, 0.01%Co, 40%OM, 10% Amino Acids	Rooting+Vegetative and Flowering
82	0100	7%N + 14.4% Amino Acids	Vegetative and Flowering
83	0101	3% N: 10% P <sub>2</sub> O <sub>5</sub> + 1%B, 0.5%Mo, 3% Amino Acids	Flowering and Fruiting



84	0102	22%N: 6% P <sub>2</sub> O <sub>5</sub> 12%K <sub>2</sub> O	Flowering and Fruiting
85	0103	4.5% N: 1% P <sub>2</sub> O <sub>5</sub> : 1%K <sub>2</sub> O + 25% Fluvic Acids, 25%Humic Extract, 45%OM	Vegetative growth,
86	0104	4%N: 3% P <sub>2</sub> O <sub>5</sub> : 3%K <sub>2</sub> O	Rooting, Vegetative growth, Flowering and Fruits.
87	0105	10%N: 18% P <sub>2</sub> O <sub>5</sub> : 24%K <sub>2</sub> O + 7S	Rooting and Vegetative
88	0106	5%N: 5% P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O + 0.25%MgO + TE	Vegetative growth, Flowering and Fruiting
89	0107	22%N: 21% P <sub>2</sub> O <sub>5</sub> : 17%K <sub>2</sub> O	Vegetative growth
90	0108	24%N: 24% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + TE	Rooting, Vegetative growth a
91	0110	4.8%N + 4.9%Mg + 4.9%B + 9.9%Zn	Flowering and Fruiting
92	0111	0%N: 30% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O + 2.5%Mg + 3.1%Zn	Rooting Vegetative, Flowering and Fruit
93	0112	Biofix-Legume Inoculant	Vegetative growth, Flowering and Fruiting
94	0113	7% + 49% Humic acid	Vegetative growth, Flowering and Fruiting
95	0114	14%N: 28% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
96	0115	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
97	0116	12%N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
98	0117	1.5%N: 1.5% P <sub>2</sub> O <sub>5</sub> : 3.5%K <sub>2</sub> O + 25% Organic Matter	Vegetative growth, Flowering and Fruiting
99	0118	Rhizobia Bacteria	Vegetative growth, Flowering and Fruiting
100	0119	10%N: 5%P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting

101	0120	25%N: 5% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O + 5%S	Vegetative growth, Flowering and Fruiting
102	0121	2.1%N: 3.6%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
103	0122	16%N: 10% P <sub>2</sub> O <sub>5</sub> 8%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
104	0123	16%N:	Vegetative growth, Flowering and Fruiting
105	0124	40%N + 7%S	Vegetative growth, Flowering and Fruiting
106	0125	15% B	Vegetative growth, Flowering and Fruiting
107	0126	24%N + 15 P <sub>2</sub> O <sub>5</sub> %S	Vegetative growth, Flowering and Fruiting
108	0127	4%N: 3% P <sub>2</sub> O <sub>5</sub> : 2%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
109	0128	51%K <sub>2</sub> O + 18%S +1%Cl	Vegetative growth, Flowering and Fruiting
110	0129	70%Zn	Vegetative growth, Flowering and Fruiting
111	0130	Bacillus, Rhizobium	Vegetative growth, Flowering and Fruiting
112	0131	15%B	Vegetative growth, Flowering and Fruiting
113	0132	6%N: 18% P <sub>2</sub> O <sub>5</sub> : 37%K <sub>2</sub> O + 2%MgO, ME, FV	Vegetative growth, Flowering and Fruiting
114	0133	17%N: 21% P <sub>2</sub> O <sub>5</sub> : 11%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
115	0134	13.44% N: 7.55% P <sub>2</sub> O <sub>5</sub> : 4.84%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
116	0135	0.6%Mg, 0.2%B, 0.4%Zn, 0.2%Fe, 0.9%Cu,	Vegetative growth, Flowering and Fruiting
117	0136	97.56% Calcium Carbonate	Vegetative growth, Flowering and Fruiting

118	0137	13%N: 46%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
119	0138	8%N: 50% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O + 2 %MgO, ME, FV	Vegetative growth, Flowering and Fruiting
120	0139	31%N: 8% P <sub>2</sub> O <sub>5</sub> 7%K <sub>2</sub> O + 2 %MgO, B, ME	Vegetative growth, Flowering and Fruiting
121	0140	19%N: 19% P <sub>2</sub> O <sub>5</sub> 19%K <sub>2</sub> O + 2%MgO, ME, FV	Vegetative growth, Flowering and Fruiting
122	0141	48% CaCO <sub>3</sub> , 38% MgCO <sub>3</sub> , 67% ECCE	Vegetative growth, Flowering and Fruiting
123	0142	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
124	0143	30%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
125	0144	10%N: 10% P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
126	0145	10%N: 52% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
127	0146	24%N: 24% P <sub>2</sub> O <sub>5</sub> 18%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
128	0147	26%N: 8% P <sub>2</sub> O <sub>5</sub> : 17%K <sub>2</sub> O + 2%MgO	Vegetative growth, Flowering and Fruiting
129	0148	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
130	0149	0%N: 51.5% P <sub>2</sub> O <sub>5</sub> : 34%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
131	0150	8%N: 24% P <sub>2</sub> O <sub>5</sub> 16%K <sub>2</sub> O + 5%S, 0.1%B, 0.5%Zn	Vegetative growth, Flowering and Fruiting
132	0151	28% P <sub>2</sub> O <sub>5</sub> + 36%CaO	Vegetative growth, Flowering and Fruiting
133	0152	28% P <sub>2</sub> O <sub>5</sub> + 36%CaO	Vegetative growth, Flowering and Fruiting



134	0153	0%N: 0.7% P <sub>2</sub> O <sub>5</sub> : 0.5%K <sub>2</sub> O + 5%Ca, 0.5% Mg	Vegetative growth, Flowering and Fruiting
135	0154	32% N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
136	0155	14%K <sub>2</sub> O + 17%CaO, 6%MgO, 47.8%SO <sub>3</sub>	Vegetative growth, Flowering and Fruiting
137	0156	14%K <sub>2</sub> O + 17%CaO, 6%MgO, 47.8%SO <sub>3</sub>	Vegetative growth, Flowering and Fruiting
138	0157	20%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
139	0158	20%N: 10% P <sub>2</sub> O <sub>5</sub> 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
140	0159	17%N: 17% P <sub>2</sub> O <sub>5</sub> : 17%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
141	0160	49.3% Protein + 3.1 Soluble Carbohydrate	Vegetative growth, Flowering and Fruiting
142	0161	2.45%N: 0.76% P <sub>2</sub> O <sub>5</sub> 2.66%K <sub>2</sub> O + 13%CaO, 1.01%B	Vegetative growth, Flowering and Fruiting
143	0162	12%N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
144	0163	2%N: 10% P <sub>2</sub> O <sub>5</sub> : 01%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
145	0164	16%Mg + 13%S	Vegetative growth, Flowering and Fruiting
146	0165	15%N: 10% P <sub>2</sub> O <sub>5</sub> 35%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
147	0166	20%N: 5% P <sub>2</sub> O <sub>5</sub> 18%K <sub>2</sub> O + Zn, B	Vegetative growth, Flowering and Fruiting
148	0167	18%N: 6% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
149	0168	11%N: 8% P <sub>2</sub> O <sub>5</sub> : 6%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting



150	0169	19%N: 19% P <sub>2</sub> O <sub>5</sub> 19%K <sub>2</sub> O+ TE	Vegetative growth, Flowering and Fruiting
151	0170	46 % N + 5% Zn	Vegetative growth, Flowering and Fruiting
152	0171	9%N: 5% P <sub>2</sub> O <sub>5</sub> 8%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
153	0172	33% N	Vegetative growth, Flowering and Fruiting
154	0173	14%N: 09% P <sub>2</sub> O <sub>5</sub> 04%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
155	0174	7.3% Titanic Sulphate, 1.2% Citric acid, 0.3% Tartaric acid, 4.2% Ammonia water, 1% Acticide	Vegetative growth, Flowering and Fruiting
156	0175	20%N: 20% P <sub>2</sub> O <sub>5</sub> 20%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
157	0176	15%N: 10% P <sub>2</sub> O <sub>5</sub> : 34%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
158	0177	23%N: 10%P <sub>2</sub> P <sub>2</sub> O <sub>5</sub> O <sub>5</sub> : 05%K <sub>2</sub> O + 2%MgO +3%S + 0.3%Zn	Vegetative growth, Flowering and Fruiting
159	0178	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
160	0179	28%N: 14% P <sub>2</sub> O <sub>5</sub> : 14%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
161	0180	14%N: 23% P <sub>2</sub> O <sub>5</sub> 14%K <sub>2</sub> O + 5%S +1% B <sub>2</sub> O <sub>3</sub>	Vegetative growth, Flowering and Fruiting
162	0181	2.2% Aromatic Nitrogen	Vegetative growth, Flowering and Fruiting
163	0182	14%N: 25% P <sub>2</sub> O <sub>5</sub> : 13%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
164	0183	13%N: 52% P <sub>2</sub> O <sub>5</sub> 05%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting

165	0184	24%N: 18% P <sub>2</sub> O <sub>5</sub> 18%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
166	0185	31%N: 11% P <sub>2</sub> O <sub>5</sub> 11%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
167	0186	15%N: 12% P <sub>2</sub> O <sub>5</sub> : 31%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
168	0187	19%N: 38% P <sub>2</sub> O <sub>5</sub> : 0%K <sub>2</sub> O + 7%S	Vegetative growth, Flowering and Fruiting
169	0188	13%N: 10% P <sub>2</sub> O <sub>5</sub> : 13%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
170	0189	8%N: 32 P <sub>2</sub> O <sub>5</sub> : 4%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
171	0190	0%N: 50% P <sub>2</sub> O <sub>5</sub> : 35%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
172	0191	28%N: 14% P <sub>2</sub> O <sub>5</sub> : 14%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
173	0192	14%N: 11% P <sub>2</sub> O <sub>5</sub> 33%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
174	0193	27%N: 10% P <sub>2</sub> O <sub>5</sub> : 16%K <sub>2</sub> O +TE	Vegetative growth, Flowering and Fruiting
175	0194	2%K <sub>2</sub> O + Organic Nutrients	Vegetative growth, Flowering and Fruiting
176	0195	1%N: 0% P <sub>2</sub> O <sub>5</sub> 2%K <sub>2</sub> O + Organic Nutrients	Vegetative growth, Flowering and Fruiting
177	0196	24%N: 6% P <sub>2</sub> O <sub>5</sub> 12%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
178	0197	11.6%K <sub>2</sub> O + 12.1%CaO, 3.6%Mg, 19.2% S	Vegetative growth, Flowering and Fruiting
179	0198	16%N: 32% P <sub>2</sub> O <sub>5</sub> : 16%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
180	0199	16%N: 8% P <sub>2</sub> O <sub>5</sub> : 25%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
181	0200	24%N: 24% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting

182	0201	Bacterial and Algae Extract	Vegetative growth, Flowering and Fruiting
183	0202	15%N: 22.5%CaO	Vegetative growth, Flowering and Fruiting
184	0203	Bacterial and Algae Extract	Vegetative growth, Flowering and Fruiting
185	0204	Etract of See Weed and Blue Green Algae	Vegetative growth, Flowering and Fruiting
186	0205	Etract of See Weed and Blue Green Algae	Vegetative growth, Flowering and Fruiting
187	0206	30% Sea Weed Extract, 4g/L Cu + Zn + Mo + B, 12%N: 20% P <sub>2</sub> O <sub>5</sub> 20%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
188	0207	8%N: 8% P <sub>2</sub> O <sub>5</sub> 5%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
189	0208	5%N: 10% P <sub>2</sub> O <sub>5</sub> 3%K <sub>2</sub> O + 1%Zn 1%Fe, 1.5%Mn,	Vegetative growth, Flowering and Fruiting
190	0209	24%N: 24% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + 1.5%Mg	Vegetative growth, Flowering and Fruiting
191	0210	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
192	0211	5%N: 50% P <sub>2</sub> O <sub>5</sub> : 30%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
193	0212	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O +TE	Vegetative growth, Flowering and Fruiting
194	0213	12%N + 5%Mg, 15% CaO	Vegetative growth, Flowering and Fruiting
195	0214	14%N: 25% P <sub>2</sub> O <sub>5</sub> : 13%K <sub>2</sub> O + 3.2%Mg, 12.5%S, 1.8% Zn	Vegetative growth, Flowering and Fruiting
196	0215	0%N: 30% P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
198	0216	36%K <sub>2</sub> O + 25% S	Vegetative growth, Flowering and Fruiting



199	0217	10%N: 50% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
200	0218	40% N	Vegetative growth, Flowering and Fruiting
201	0219	8.5%N + 4%B, 4% Zn, 40%C, 13.5% Amino Acid	Vegetative growth, Flowering and Fruiting
202	0220	18%N: 44% P <sub>2</sub> O <sub>5</sub>	Vegetative growth, Flowering and Fruiting
203	0221	15%N: 20% P <sub>2</sub> O <sub>5</sub> : 50%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
204	0222	10%N: 50% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
205	0223	38%CaO + 0.6%Mg	Vegetative growth, Flowering and Fruiting
206	0224	25%CaO + 9.5%Mg	Vegetative growth, Flowering and Fruiting
207	0225	0.1%Mg, 0.4%S, 0.3%B, 0.3%Zn, 0.4%Fe, 0.1%Mn	Vegetative growth, Flowering and Fruiting
208	0226	5.6%N: 19.5% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
209	0227	4.9%Zn + 17% Organic Matter	Vegetative growth, Flowering and Fruiting
210	0228	12%N: 24% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O + 2%MgO, 5%S, 0.007%Zn 0.2%Fe,	Vegetative growth, Flowering and Fruiting
211	0229	Streptomyces sp, Lactobacillus sp, Rhizobium sp	Vegetative growth, Flowering and Fruiting
212	0230	Streptomyces sp, Lactobacillus sp, Rhizobium sp	Vegetative growth, Flowering and Fruiting
213	0231	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting



214	0232	8.5% S	Vegetative growth, Flowering and Fruiting
215	0233	1.1%N: 0.13% P <sub>2</sub> O <sub>5</sub> : 3.9%K <sub>2</sub> O +0.58%CaO, 0.48%Mg, 0.38%S, 29.45% Organic Matter	Vegetative growth, Flowering and Fruiting
216	0235	51.5% P <sub>2</sub> O <sub>5</sub> : 34%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
217	0236	0.5%B, 0.51%Zn, 0.31%(6- BA)	Vegetative growth, Flowering and Fruiting
218	0237	0.62%IBA	Vegetative growth, Flowering and Fruiting
219	0238	0.4% Cytokinin	Vegetative growth, Flowering and Fruiting
220	0239	0.005%CaO, 0.007%Mg, 1.62%Zn 22%Fe, 0.001% Cu, 0.24%Mn,	Vegetative growth, Flowering and Fruiting
221	0240	18%K <sub>2</sub> O + 0.2% B	Vegetative growth, Flowering and Fruiting
222	0241	10%CaO, 0.2%B, 6% Amino acid	Vegetative growth, Flowering and Fruiting
223	0242	3%N + 9% B, 30% OM	Vegetative growth, Flowering and Fruiting
224	0243	1.5%Zn, 0.5%Mn	Vegetative growth, Flowering and Fruiting
225	0244	6.5%Cu	Vegetative growth, Flowering and Fruiting
226	0245	1%Zn, 0.5%B, 2%Fe, 0.5%Cu, 1%Mn	Vegetative growth, Flowering and Fruiting
227	0246	8%N: 9% P <sub>2</sub> O <sub>5</sub> : 13%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
228	0247	3%N: 2%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting

229	0248	30% P <sub>2</sub> O <sub>5</sub>	Vegetative growth, Flowering and Fruiting
230	0249	30% Humic acid + 10% Ascorbic acid	Vegetative growth, Flowering and Fruiting
231	0250	1.4%N: 0.3% P <sub>2</sub> O <sub>5</sub> : 0.7%K <sub>2</sub> O +2.5%OM	Vegetative growth, Flowering and Fruiting
232	0251	2.5%Cu	Vegetative growth, Flowering and Fruiting
233	0252	2.35%N: 4.44% P <sub>2</sub> O <sub>5</sub> : 1.75%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
234	0253	18%N: 9%P: 27%K	Vegetative growth, Flowering and Fruiting
235	0255	30%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
236	0256	15%N: 5% P <sub>2</sub> O <sub>5</sub> : 35%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
237	0257	28%N: 8% P <sub>2</sub> O <sub>5</sub> : 9%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
238	0258	12%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
239	0259	5%N: 7.5% P <sub>2</sub> O <sub>5</sub> 5%K <sub>2</sub> O + 5%Mg 5%S, 5%B, 5%Zn, 0.1%Fe, 0.1%Cu, 0.1%Mn, 0.1%Mo	Vegetative growth, Flowering and Fruiting
240	0260	0%N: 29.5% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O+ 2.7%MgO + 3.1%Zn	Vegetative growth, Flowering and Fruiting
241	0261	Conc. Zinc micronutrient	Vegetative growth, Flowering and Fruiting
242	0262	10.9%B	Vegetative growth, Flowering and Fruiting
243	0263	33% Cu	Vegetative growth, Flowering and Fruiting
244	0264	18%N: 6% P <sub>2</sub> O <sub>5</sub> : 9%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting

245	0265	28%N: 8% P <sub>2</sub> O <sub>5</sub> : 9%K <sub>2</sub> O + 4%B	Vegetative growth, Flowering and Fruiting
246	0266	11%N: 7% P <sub>2</sub> O <sub>5</sub> : 7%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
247	0267	25%N	Vegetative growth, Flowering and Fruiting
248	0268	5%N: 25% P <sub>2</sub> O <sub>5</sub>	Vegetative growth, Flowering and Fruiting
249	0269	2%K <sub>2</sub> O + Organic nutrients	Vegetative growth, Flowering and Fruiting
250	0270	3%N: 15% P <sub>2</sub> O <sub>5</sub> +10%Zn	Vegetative growth, Flowering and Fruiting
251	0271	5%N: 0% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O +25%OM + TE	Vegetative growth, Flowering and Fruiting
252	0272	0.5%B, 4%Zn,4%Fe, 0.5%Cu 2%Mn	Vegetative growth, Flowering and Fruiting
253	0273	30%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
254	0274	1.6%N: 0.5% P <sub>2</sub> O <sub>5</sub> : 0.5%K <sub>2</sub> O + 60%OM	Vegetative growth, Flowering and Fruiting
255	0275	11%N: 22% P <sub>2</sub> O <sub>5</sub> : 21%K <sub>2</sub> O +4%S, 1%B +0.1%zn	Vegetative growth, Flowering and Fruiting
256	0276	10%N: 18% P <sub>2</sub> O <sub>5</sub> : 24%K <sub>2</sub> O + 7%CaO, 0.5%MgO, 7%S,0.1%B	Vegetative growth, Flowering and Fruiting
257	0277	27%N: 10% P <sub>2</sub> O <sub>5</sub> : 0%K <sub>2</sub> O + 15%CaO	Vegetative growth, Flowering and Fruiting
258	0278	8%N: 17% P <sub>2</sub> O <sub>5</sub> : 2%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
259	0279	08%N: 05% P <sub>2</sub> O <sub>5</sub> : 30K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
260	0280	31%N: 10% P <sub>2</sub> O <sub>5</sub> : 8%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting



261	0281	Bradyrhizobium Japonicum	Vegetative growth, Flowering and Fruiting
262	0282	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
263	0283	15%N: 30% P <sub>2</sub> O <sub>5</sub> :15%K <sub>2</sub> O + 1% MgO + TE	Vegetative growth, Flowering and Fruiting
264	0284	30%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O + 0.7%MgO + TE	Vegetative growth, Flowering and Fruiting
265	0285	10%N: 10% P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O + 1% MgO + TE	Vegetative growth, Flowering and Fruiting
266	0283	15%N: 30% P <sub>2</sub> O <sub>5</sub> :15%K <sub>2</sub> O + 1% MgO + TE	Vegetative growth, Flowering and Fruiting
267	0284	30%N: 10% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O + 0.7%MgO + TE	Vegetative growth, Flowering and Fruiting
268	0285	10%N: 10% P <sub>2</sub> O <sub>5</sub> : 40%K <sub>2</sub> O + 1% MgO + TE	Vegetative growth, Flowering and Fruiting
269	0286	12%N: 45% P <sub>2</sub> O <sub>5</sub> + 5% S + 1% Zn	Vegetative growth, Flowering and Fruiting
270	0287	0.05%Fulvic Acid	Vegetative growth, Flowering and Fruiting
271	0288	10%N + 17%CaO, 14%Mg,0.1%B	Vegetative growth, Flowering and Fruiting
272	0289	30% Humic acid + 10% Ascorbic acid	Vegetative growth, Flowering and Fruiting
273	0290	30% Zn + 30% Cu	Vegetative growth, Flowering and Fruiting
274	0291	7%N: 7% P <sub>2</sub> O <sub>5</sub> : 7% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
275	0292	19.87%N: 11.74% P <sub>2</sub> O <sub>5</sub> : 11.11%K <sub>2</sub> O + 0.001%Zn, 0.04%Fe + 0.009%Cu, 0.026%Mn	Vegetative growth, Flowering and Fruiting

276	0293	3.67%N: 2.25%P <sub>2</sub> O <sub>5</sub> : 0.7%K <sub>2</sub> O + 0.3%Ca, 0.07%Mg	Vegetative growth, Flowering and Fruiting
277	0294	2.93%N + 6.99%Mn	Vegetative growth, Flowering and Fruiting
278	0295	29% P <sub>2</sub> O <sub>5</sub> + 21.6%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
279	0296	3%N + 29% P <sub>2</sub> O <sub>5</sub>	Vegetative growth, Flowering and Fruiting
280	0297	10%B	Vegetative growth, Flowering and Fruiting
281	0298	0.02%K <sub>2</sub> O + 0.01%CaO + 0.06%Na	Vegetative growth, Flowering and Fruiting
282	0299	0.06%N: 0.01% P <sub>2</sub> O <sub>5</sub> : 0.15%K <sub>2</sub> O + 0.03%CaO	Vegetative growth, Flowering and Fruiting
283	0300	2.5%N: 0.3% P <sub>2</sub> O <sub>5</sub> : 0.12%K <sub>2</sub> O + Te	Vegetative growth, Flowering and Fruiting
284	0301	0.15%Zn, 0.5%Fe, 0.05%Cu	Vegetative growth, Flowering and Fruiting
285	0302	18%N: 20% P <sub>2</sub> O <sub>5</sub> : 21%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
286	0303	12%N: 12% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
287	0304	6%Fe	Vegetative growth, Flowering and Fruiting
288	0305	4.1%MgO ,1.12%B, 2.9%Zn 5.4%Fe, 0.67%Cu, 2.83%Mn, 0.048%Mo	Vegetative growth, Flowering and Fruiting
289	0306	0%N: 45% P <sub>2</sub> O <sub>5</sub> : 55%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
290	0307	2%MgO, 1.5%B, 4%Zn, 4%Fe, 0.5%Cu, 3%Mn, 0.05%Mo	Vegetative growth, Flowering and Fruiting

291	0308	12%N: 12% P <sub>2</sub> O <sub>5</sub> : 44%K <sub>2</sub> O + 3%MgO + TE	Vegetative growth, Flowering and Fruiting
293	0309	24%N: 24%P <sub>2</sub> O <sub>5</sub> : 14%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
294	0310	32%N: 10% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + 20%S, 2%B 2%Zn, 2.8%Fe, 3.7%Cu, 2.7%Mn, 2%Mo, 2.8%Co	Vegetative growth, Flowering and Fruiting
295	0311	16%N: 10% P <sub>2</sub> O <sub>5</sub> : 22%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
296	0312	12.17%K <sub>2</sub> O + 71.07 % Humic acid	Vegetative growth, Flowering and Fruiting
297	0313	24%N: 24% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + 4%Mg, 4%S, TE	Vegetative growth, Flowering and Fruiting
298	0314	12%N: 45% P <sub>2</sub> O <sub>5</sub> : 20%K <sub>2</sub> O + 2%CaO, 4%Mg, TE	Vegetative growth, Flowering and Fruiting
299	0315	15%N: 10% P <sub>2</sub> O <sub>5</sub> : 45%K <sub>2</sub> O + 4%Mg, 4%S, TE	Vegetative growth, Flowering and Fruiting
300	0316	12%N +18%CaO, 3%Mg, 1%B, 2% Amin acid	Vegetative growth, Flowering and Fruiting
301	0317	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19%K <sub>2</sub> O + Mg + TE	Vegetative growth, Flowering and Fruiting
302	0318	12%N: 6%K <sub>2</sub> O + 40%SO <sub>3</sub>	Vegetative growth, Flowering and Fruiting
303	0319	15%N: 24% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
304	0320	20%N: 20% P <sub>2</sub> O <sub>5</sub> : 18%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
305	0321	5.65%N: 0.9% P <sub>2</sub> O <sub>5</sub> : 4.61%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
306	0322	20%N: 5% P <sub>2</sub> O <sub>5</sub> : 35%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
207	0323	23%K <sub>2</sub> O + 11%MgO	Vegetative growth, Flowering and Fruiting



308	0324	15%N: 10%P <sub>2</sub> O <sub>5</sub> : 45%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
309	0325	31%N: 11% P <sub>2</sub> O <sub>5</sub> : 15%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
310	0326	15%N: 10% P <sub>2</sub> O <sub>5</sub> 45%K <sub>2</sub> O + 4%MgO, 4%S,	Vegetative growth, Flowering and Fruiting
311	0327	12%N: 12% P <sub>2</sub> O <sub>5</sub> : 12%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
312	0328	12%N	Vegetative growth, Flowering and Fruiting
313	0329	15%N: 15% P <sub>2</sub> O <sub>5</sub> 15%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
314	0330	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 10%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
315	0331	19%N: 19% P <sub>2</sub> O <sub>5</sub> 19%K <sub>2</sub> O + MgO, TE	Vegetative growth, Flowering and Fruiting
316	0332	2.3% N + 18.6% C/N, 42.8% OC, 38% OM,	Vegetative growth, Flowering and Fruiting
317	0333	2% N: 0.1% P <sub>2</sub> O <sub>5</sub> : 4% K <sub>2</sub> O + 8 g/l Mg, 20 g/l Amino Acid, 200 g/l Organic Matter, 8 g/l Humic Acid, 120 g/l Organic Sugar	Vegetative growth, Flowering and Fruiting
318	0334	1.7% N + 2.1% MgO, 2.07% B, 0.02% Mo, 2.84% H <sub>2</sub> SO <sub>3</sub>	Vegetative growth, Flowering and Fruiting
319	0335	38%N: 5% P <sub>2</sub> O <sub>5</sub> : 5%K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
320	0336	13%N: 40% P <sub>2</sub> O <sub>5</sub> : 13%K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
321	0337	8%N: 2% P <sub>2</sub> O <sub>5</sub> : 8% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
322	0338	2%N: 11% P <sub>2</sub> O <sub>5</sub> : 11% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting

323	0339	12%N: 18% P <sub>2</sub> O <sub>5</sub> : 12% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
324	0340	12%N: 18% P <sub>2</sub> O <sub>5</sub> : 12% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
325	0341	5%N: 5% P <sub>2</sub> O <sub>5</sub> : 45% K <sub>2</sub> O + TE	Vegetative growth, Flowering and Fruiting
326	0342	14.8%N: 8.87% P <sub>2</sub> O <sub>5</sub> : 15.86%K <sub>2</sub> O + 1.93% S	Vegetative growth, Flowering and Fruiting
327	0343	19%N: 10% P <sub>2</sub> O <sub>5</sub> : 8% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
328	0344	15%N: 4.4% P <sub>2</sub> O <sub>5</sub> : 1.8% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
329	0345	10%N: 18%P: 24%K: +0.5%Mg, 7%S, 0.012%Bo, 3%Xca	Vegetative growth, Flowering and Fruiting
330	0346	20%N: 20%P: 20%K + 100ppm Zn, 800ppm Fe, 140ppm Cu, 150ppm Mn	Vegetative growth, Flowering and Fruiting
331	0347	16.2%Zn: <0.01%As: <6.47%Cd: <24.1%Pb	Vegetative growth, Flowering and Fruiting
332	0348	2.9%N	Vegetative growth, Flowering and Fruiting
333	0349	17%N:14%P:34%K +0.03%B, 0.06%Zn,0.01%Fe,0.05%Cu, 0.05%Mn, 0.001%Mo, 0.007%Amino Acid	Vegetative growth, Flowering and Fruiting
334	0351	19%N: 19% P <sub>2</sub> O <sub>5</sub> : 19% K <sub>2</sub> O	Vegetative growth, Flowering and Fruiting
335	0352	11%Mo	Vegetative growth, Flowering and Fruiting
335	0353	1.50% 1-Dodecane Sulfonic acid sodium salts	Vegetative growth, Flowering and Fruiting

336	0354	14N%: 9%P: 5%K +2%Mg	Vegetative growth, Flowering and Fruiting
337	0355	40%N + 6%S	Vegetative growth, Flowering and Fruiting
338	0356	6.98%N: 3.88%P: 13.96%K	Vegetative growth, Flowering and Fruiting
339	0357	19%N: % P <sub>2</sub> O <sub>5</sub> + 6.24%S, 0.12%B	Vegetative growth, Flowering and Fruiting
340	0359	33.5%Zn	Vegetative growth.
341	0360	6.5%Ca, 0.05%B, 15%Fulvic acid	Vegetative growth, Flowering and Fruiting
342	0361	15%Na	Vegetative growth,
343	0362	35%N:1%P:1%K	Rooting, Vegetative growth, Flowering and Fruiting
344	0363	46%N+ 0.1%Zn	Vegetative growth
345	0364	13%N:24% P <sub>2</sub> O <sub>5</sub> :12% K <sub>2</sub> O + 2%MgO, 3%S:	Rooting, Vegetative growth, Flowering and Fruiting
346	0365	17%N:29% P <sub>2</sub> O <sub>5</sub> : 6%K <sub>2</sub> O+ 0.5%S,0.2%Zn	Rooting, Vegetative growth, Flowering and Fruiting
347	0366	22%N:6% P:12%K	Rooting, Vegetative growth, Flowering and Fruiting
348	0367	7%N:7%P:40%K + 1%MgO	Rooting, Vegetative growth, Flowering and Fruiting
349	0368	12%N:12%P:17%K	Rooting, Vegetative growth, Flowering and Fruiting
350	0369	10%N :25%P	Rooting and Vegetative growth,
351	0370	15.5%N + 26% CaO	Vegetative growth, Flowering and Fruiting
352	0371	50%K <sub>2</sub> O +17.5%S	Vegetative growth, Flowering and Fruiting
353	0372	13%N:46%K	Vegetative growth, Flowering and Fruiting



354	0373	45%CaO	Vegetative growth, Flowering and Fruiting
355	0374	10.2%N+0.2%B,:4%Zn, 1%Cu,0.02%Mn	Vegetative growth, Flowering and Fruiting
356	0375	8%N+ 1%S, 0.05%Zn,0.10%Fe,0.05%Mn	Vegetative growth, Flowering and Fruiting

