CHEMICAL FERTILIZERS FORMULATIONS ENCYCLOPEDIA



15 – 5 – 15

NPK FERTILIZER FORMULATIONS

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E – TEXTBOOK AUTHOR YUSUF AKKAPILI

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15 – 5 – 15 NPK FERTILIZER FORMULATIONS

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(15-5-15) LIQUID NPK DRIPPING AND FOLIAR FERTILIZERS FORMULATIONS AND PRODUCTION METHODS

1 – (15 – 5 – 15) LIQUID NPK DRIPPING AND FOLIAR FERTILIZER
FORMULATION AND PRODUCTION PROCESS
2 – (15 – 5 – 15 + TE) LIQUID NPK DRIPPING AND FOLIAR FERTILIZER
FORMULATION AND PRODUCTION PROCESS - 1
3 – (15 – 5 – 15 + TE) LIQUID NPK DRIPPING AND FOLIAR FERTILIZER
FORMULATION AND PRODUCTION PROCESS - 2

LIQUID NPK DRIPPING AND FOLIAR FERTILIZER

(15 – 5 – 15)

NO	CHEMICALS	W/W
1	UREA	32.6
2	PHOSPHORIC ACID (% 85)	8.2
3	POTASSIUM HYDROXIDE	18.1
4	WATER	41.1
	TOTAL	100

PROCESS: First, Put water into a mixing tank. Add phosphoric acid slowly. Start stirring. Add potassium hydroxide part and part. Continue to mixing. Add urea and stir until homogeneous. If homogeneous is enough. Mixing is stopped and process is completed.

NOTE: In the above **liquid NPK dripping and foliar fertilizer** production has % 15 N (Nitrogen), % 5 P2O5 (Phosphor) and % 15 K2O (potassium).

LIQUID NPK DRIPPING AND FOLIAR FERTILIZER – 1 (15 – 5 – 15 + TE)

NO	CHEMICALS	W/W	
1	UREA	32.6	
2	PHOSPHORIC ACID (% 85)	8.2	
3	POTASSIUM HYDROXIDE	18.1	
4	ZINC SULPHATE MONOHYDRATE	0.56	
5	MANGANESE SULPHATE MONOHYDRATE	0.65	
6	COPPER SULPHATE PENTAHYDRATE	0.4	
7	IRON SULPHATE MONOHYDRATE	0.32	
8	WATER	39.17	
	TOTAL	100	

PROCESS: First, Put water into a mixing tank. Add phosphoric acid and all micronutrients slowly. Start stirring. Add potassium hydroxide part and part. Continue to mixing. Add urea and stir until homogeneous. If homogeneous is enough. Mixing is stopped and process is completed.

NOTE: In the above **liquid NPK dripping and foliar fertilizer** production has % 15 N (Nitrogen), % 5 P2O5 (Phosphor) and % 15 K2O (potassium).

Also, it has % 0.2 Zn (Zinc), % 0.2 Mn (Manganese), % 0.1 Cu (Copper) and % 0.1 Fe (Iron).

LIQUID NPK DRIPPING AND FOLIAR FERTILIZER – 2 (15 – 5 – 15 + TE)

NO	CHEMICALS	W/W	
1	UREA	32.6	
2	PHOSPHORIC ACID (% 85)	8.2	
3	POTASSIUM HYDROXIDE	18.1	
4	ZINC SULPHATE MONOHYDRATE	0.56	
5	MANGANESE SULPHATE MONOHYDRATE	0.65	
6	BORIC ACID	1.15	
7	SODIUM MOLYBDATE	0.05	
8	WATER	38.7	
	TOTAL	100	

PROCESS: First, Put water into a mixing tank. Add phosphoric acid and all micronutrients slowly. Start stirring. Add potassium hydroxide part and part. Continue to mixing. Add urea and mixing in the tank until homogeneous. If homogeneous is enough. Mixing is stopped and process is completed.

NOTE: In the above **liquid NPK dripping and foliar fertilizer** production has % 15 N (Nitrogen), % 5 P2O5 (Phosphor) and % 15 K2O (potassium).

Also, it has % 0.2 Zn (Zinc), % 0.2 Mn (Manganese), % 0.2 B (Boron) and % 0.02 Mo (Molybdenum).