



Utah Formular Rice Mix ideal soil feeding for rice.



WHAT IS Utah - Formular Rice Mix

Utah Formular Rice Mix is a special fully soil-soluble plant nutrients, composed of chelated granular micronutrients formulation. Suitable for both blending mixed fertilizer and direct application. Granular size and bulk density match to common fertilizer providing uniform distribution of plant nutrients. Utah Formula Rice Mix is specifically synthesized for paddy rice and cereal for applying since early plant growth stage and for extended availability throughout the growing season. Chelated elements in Utah Formula Rice Mix will help root tip absorb nutrients easily and also will help nutrients not to be tighten to the soil particle.

Utah Formular Rice Mix

Zinc	3%	Iron	1%	Magnesium	1%	Boron	0.5%
Manganese	1%	Sulfur	12%	Copper	1%	Calcium	15.7%

Utah Formular Rice Mix - QUICK RESPONSE

Utah Formular Rice Mix will efficiently supply the rice plant with all of its nutrients. **Utah Formular Rice Mix** is absorbed by root and translocate to the parts where the plant needs them most. Although the quantity that will uptake by root will satisfy entirely the crop's needs, it should be considered as an effective supplemental treatment to the conventional fertilization program.

Utah Formular Rice Mix - FOR GRAIN FORMATION

1. **Utah Formular Rice Mix** absorbed at maximum tillering stage increase the number of panicle and spikelets
2. **Utah Formular Rice Mix** absorbed at the panicle formation stage increase the number of panicle and spikelets as well as weight of grain.
3. **Utah Formular Rice Mix** absorbed after panicle formation mainly helps to increase grain weight.

Field trial conducted in Thailand, 2004 with sowing applications of **Utah Formular Rice Mix** in high vegetative growth and better untreated plot. (Table 1)

Table 1. Effect of Utah Formular Rice Mix concentration on vegetative growth.
(Pralom Poolkumlang, Suphanburi, Thailand, 2004)

Treatment*	Rate kg/ha	Filling Rate	Plant height (cm)			No.of tiller/Plant	
			60 DAS**	90 DAS	120 DAS	60 DAS	90 DAS
Untreated	-	74.3	64.2	83.6	111.2	2.1	2.3
Utah Formular Rice Mix	25	84.2	64.8	84.0	112.4	2.3	2.5
Utah Formular Rice Mix	37.5	85.6	65.2	86.5	112.6	2.6	2.7
Utah Formular Rice Mix	50	86.4	65.7	86.9	112.9	2.7	2.8
Utah Formular Rice Mix	62.5	88.3	66.2	87.6	113.2	2.9	3.0

* All treatments received fertilizer 16-20-0 : 156.5 kg/ha at 25 DAS with **Utah Formular Rice Mix** and 156.5 kg/ha at 55 DAS.

** DAS = Days After Sowing Seed of Rice.

Rice variety : Pathumthani 1

Field trial conducted in Thailand, 2004 with sowing applications of **Utah Formular Rice Mix** in high vegetative growth and better untreated plot. (Table 2)

Table 2. Effect of **Utah Formular Rice Mix**, concentration on yield response.
(Pralom Poolkumlang, Suphanburi, Thailand, 2004)

Treatment*	Rate kg/ha	Number panicle/m ²	Number Grain/Ear	Yield kg/ha	Increase/ha	
					kg	%
Untreated	-	415	127	7,313	-	-
Utah Formular Rice Mix	25	454	129	7,875	562	7.6
Utah Formular Rice Mix	37.5	462	132	8,250	937	12.8
Utah Formular Rice Mix	50	474	134	8,688	1,375	18.8
Utah Formular Rice Mix	62.5	497	135	8,875	1,562	21.36

* All treatments received fertilizer 16-20-0 : 156.5 kg/ha at 25 DAS with

Utah Formular Rice Mix 156.5 kg/ha at 55 DAS.

DAS = Days After Sowing Seed of Rice.

Rice variety : Pathumthani 1

Field trial conducted in Thailand, 2005 with sowing applications of **Utah Formular Rice Mix** in high vegetative growth and better untreated plot. (Table 3)

Table 3. Effect of Utah Formular Rice Mix concentration on vegetative growth.
(Pralom Poolkumlang, Suphanburi, Thailand, 2005)

Treatment*	Rate kg/ha	Filling Rate	Plant height (cm)			No.of tiller/Plant	
			60 DAS**	90 DAS	120 DAS	60 DAS	90 DAS
Untreated	-	71	63.2	82.5	110.6	2	2.1
Utah Formular Rice Mix	25	83	64.5	83.2	112.2	2.2	2.4
Utah Formular Rice Mix	37.5	84	65.4	85.4	112.8	2.5	2.6
Utah Formular Rice Mix	50	85	65.8	86.5	112.9	2.7	2.8
Utah Formular Rice Mix	62.5	86	66.0	87.3	113.3	2.8	2.9

* All treatments received fertilizer 16-20-0 : 156.5 kg/ha at 25 DAS with **Utah Formular Rice Mix** and 156.5 kg/ha at 55 DAS.

** DAS = Days After Sowing Seed of Rice.

Rice variety : Pathumthani 1

field trial conducted in Thailand, 2005 with sowing applications of **Utah Formular Rice Mix**, result in high yield and better untreated plot. (Table 4)

Table 4. Effect of Utah Formular Rice Mix concentration on yield response.
(Pralom Poolkumlang, Suphanburi, Thailand, 2005)

Treatment*	Rate kg/ha	Number panicle/m ²	Number Grain/Ear	Yield kg/ha	Increase/ha	
					kg	%
Untreated	-	425	126	7,226	-	-
Utah Formular Rice Mix	25	442	129	7,833	607	8.4
Utah Formular Rice Mix	37.5	458	131	8,185	959	13.27
Utah Formular Rice Mix	50	488	134	8,596	1,370	18.95
Utah Formular Rice Mix	62.5	495	136	8,672	1,446	20.01

* All treatments received fertilizer 16-20-0 : 156.5 kg/ha at 25 DAS with **Utah Formular Rice Mix** and 156.5 kg/ha at 55 DAS.

DAS = Days After Sowing Seed of Rice.

Rice variety : Pathumthani 1

HOW TO APPLY - Utah Formular Rice Mix

Sowing **Utah Formular Rice Mix** on rice field incorporated into a regular fertilizer program in 1st fertilizer apply.

Crop stage	Application Timing (DAS)	Rate kg/ha
Tillering	25-35	50

BENEFITS OF - Utah Formular Rice Mix

- Yield - increase number of grains per panicle.
- Logging - increase stem strength and reduces lodging susceptibility.
- Tillering - favors and increase the size and weight of the grains.



Over view of trial evaluation on efficacy of Utah Formular Rice Mix in rice at Suphanburi, Thailand, 2005.



Untreated check plot



Untreated check plot



Untreated check plot



Utah Formular Rice Mix
at the rate of 50 kg/ha



Utah Formular Rice Mix
at the rate of 50 kg/ha



Utah Formular Rice Mix
at the rate of 50 kg/ha



Utah Formular Rice Mix
at the rate of 25 kg/ha



Utah Formular Rice Mix
at the rate of 25 kg/ha



Utah Formular Rice Mix
at the rate of 25 kg/ha