



TEA RESEARCH INSTITUTE OF SRI LANKA

Guideline No: 02/08

Guidelines for the Use of VP/UM 1020, VP/LC 1075, and VP/UVA 1055 for High Yielding Vegetatively Propagated (VP) Tea Fields

Three new fertilizer mixtures namely VP/UM 1020, VP/LC 1075 and VP/UVA 1055 are introduced to avoid inconvenience of *in situ* mixing of urea with the basal fertilizer mixtures recommended for mature tea *i.e.* VP/UM 910, VP/LC 880 and VP/UVA 945 respectively. These new fertilizer mixtures are specifically recommended for vegetatively propagated (VP) tea with high potential yield viz. over and above 2500 kg made tea per ha in Up and Mid country, Low country and Uva regions.

The composition of the fertilizer mixtures are:

	VP/UM 1020	VP/LC 1075	VP/UVA 1055
Urea parts	695 (320 N)	782 (360 N)	695 (320 N)
ERP parts	125 (35 P ₂ O ₅)	126 (35 P ₂ O ₅)	127 (35 P ₂ O ₅)
MOP parts	200 (120 K ₂ O)	167 (100 K ₂ O)	233 (140 K ₂ O)
Total	1020	1075	1055

VP/UM 1020	N : P ₂ O ₅ : K ₂ O - 31.4 % : 3.4 % : 11.8%
VP/LC 1075	N : P ₂ O ₅ : K ₂ O - 33.5 % : 3.3% : 9.3%
VP/UVA 1055	N : P ₂ O ₅ : K ₂ O - 30.3% : 3.3% : 13.3%

The recommended fertilizer mixture depending on the region and potential yield is given in Table 1 along with the annual N fertilizer requirement per hectare; number of applications per year, and dosage per application and the total annual quantity.

Table 1. The potential yield and recommended fertilizer mixtures for the regions with nitrogen requirement, number of applications per year, dosage per application and the total annual quantity

Region	Potential Yield (Made tea kg/ha/year)	Mixture	Requirement of nitrogen (kg/ha/year)	No. of applications per year	Dosage per application (kg/ha)	Total annual quantity (kg/ha)
Up and Mid country (wet zone)	2500 - 3000	VP/UM 1020	320	4	255	1020
	3000 - 3500		360	4	287	1147
	Above 3500		400	4	319	1274
Low country	2500 - 3000	VP/LC 1075	320	4	239	955
	3000 - 3500		360	4	269	1075
	Above 3500		400	4	299	1194
Uva	2500 - 3000	VP/UVA 1055	320	4	264	1055
	3000 - 3500		360	4	297	1188
	Above 3500		400	4	330	1320

Note: The quantity per application may be adjusted to suit the seasonal variation in yield as well as age from pruning

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