

Supplement to the review comments on paper entitled 'Impacts of agricultural intensification through upscaling of suitable rainwater harvesting technologies in the upper Ewaso Ngiro North basin, Kenya' by J.K. Mutiga, S. Zhongbo, and T. Woldai.

Table3. Rainfall partitioning under different LUC scenarios in mm yr⁻¹

	1987	1995	2003	RWH
Precipitation	760	920	940	940
Surface runoff	143	212	224	210
Lateral soil flow	24	27	28	25
Shallow GW flow	62	56	53	55
REVAP	64	62	63	65
Deep Aquifer Recharge	12	13	14	16
Total Aquifer Recharge	126	140	146	152
Total water yield	260	354	380	348
Soil percolation	64	58	60	73
Evapotranspiration	480	542	545	592
Transmission losses	26	29	33	21

Table. Rainfall partitioning under different LUC scenarios in terms of percentage of the total precipitation.

	1987	1995	2003	RWH
Precipitation	100	100	100	100
Surface runoff	19	23	24	22
Lateral soil flow	3	3	3	3
Shallow GW flow	8	6	6	6
REVAP	8	7	7	7
Deep Aquifer Recharge	2	1	1	2
Total Aquifer Recharge	17	15	16	16
Total water yield	34	38	40	37
Soil percolation	8	6	6	8
Evapotranspiration	63	59	58	63
Transmission losses	3	3	4	2