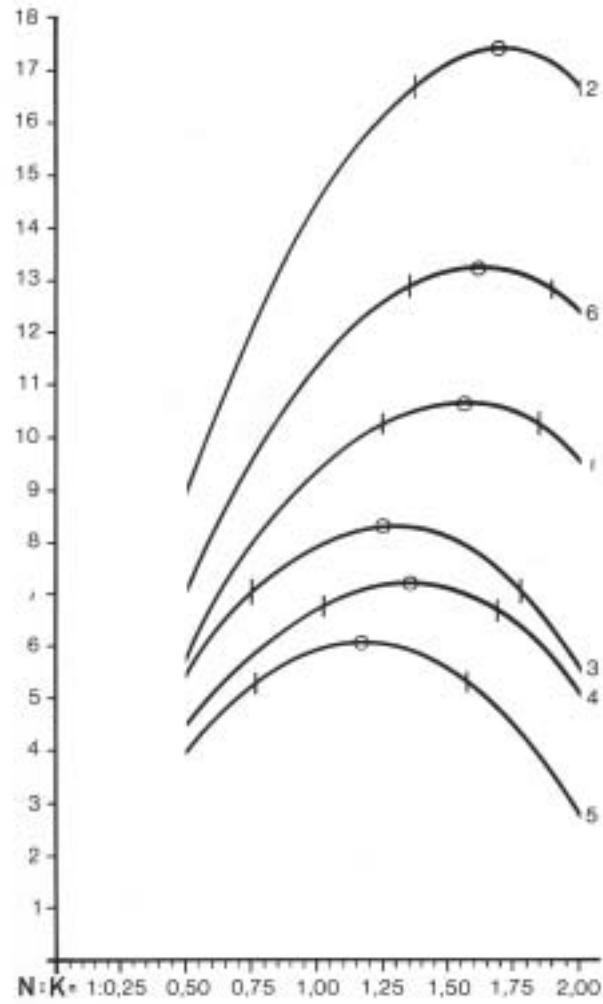


Potassium demand optimum growth

Right N : K - ratio

N : K

increase of yield



- | | |
|-----------------------|----------|
| 1 average | B = 0,99 |
| 2 beets | B = 0,99 |
| 3 forage plants | B = 0,89 |
| 4 spring-sawn cereals | B = 0,98 |
| 5 autumn-sawn cereals | B = 0,93 |
| 6 potatoes | B = 0,99 |

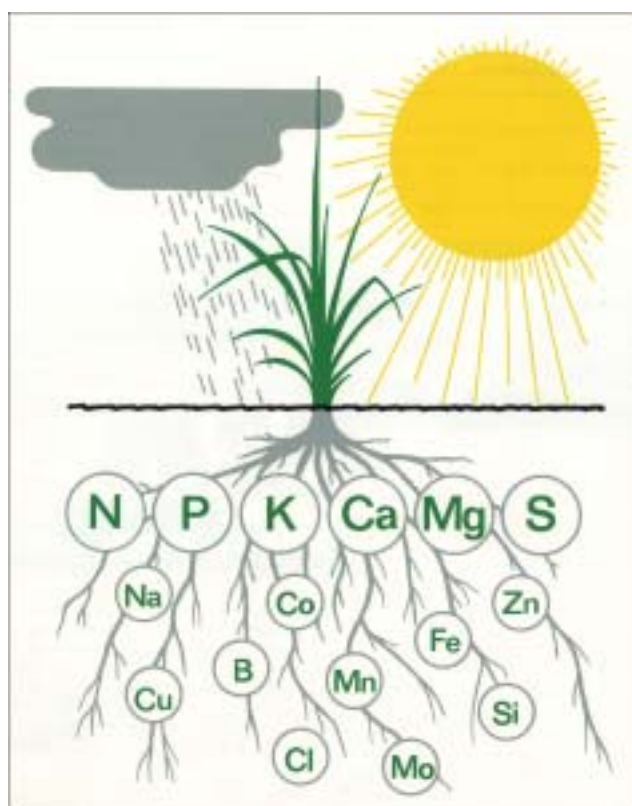


Table 1 - World Fertilizer Consumption (100 tonnes nutrient)

	1984/85	1985/86	1996/97	1997/98	1998/99 (E)	% Change
N	72,853	77,424	82,507	81,258	80,177	-1.3
P ₂ O ₅	29,982	30,887	31,201	33,421	32,642	-2.3
K ₂ O	19,875	20,851	20,729	22,314	21,733	-2.6
Total	122,190	129,162	134,437	136,993	134,552	-1.8

Table 2 - Global Fertilizer Consumption and Average Cereal Yield

	1930	1975	1998
N	1.3	43.9	80.2
P ₂ O ₅	2.8	25.8	32.6
K ₂ O	1.4	21.4	21.7
Total (m.t./nutrient)	5.5	91.1	134.6
Avg. Yield (t/ha)	1.1	2.9	3.3

K.G. Soh and K.F. Isherwood „SHORT TERM PROSPECTS FOR WORLD AGRICULTURE AND FERTILIZER USE“ International Fertilizer Industry Association (IFA); 25th IFA ENLARGED COUNCIL MEETING Rome (Italy), 30 November – 3rd December

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