RESULTS AND DISCUSSION

Heating of deoiled seedmeal 2, 4 and 8 minutes did not change the zinc content significantly (Table 1). Bioavailability of seed zinc in unheated meal was high. Heating in large volymes of deionized water reduced zinc availability significantly but not to the same extent as reported for meals and protein concentrates of Brassica napus and campestris heated in tap water (7,8,9).

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Fig 1:

Preparation of seed meal for feeding trials

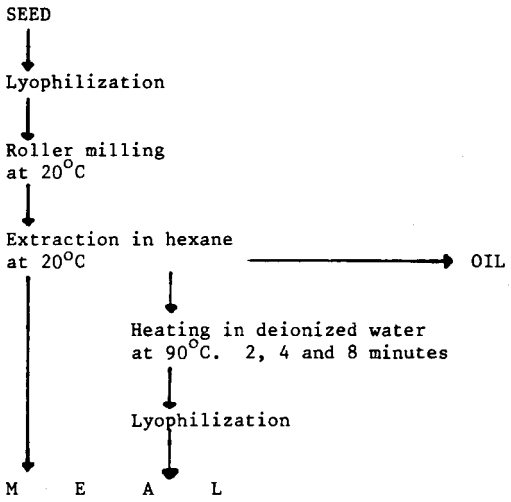

Table 1.

Influence of heat treatment on bioavailability of native seed zinc in Brassica juncea cv RLM 198

Meal No	Heating time minutes	Zinc content ug/g	Bioavailable Zn ug/g	%
1	0	91	67	74
2	2	94	60	64
3	4	92	39	42
4	8	93	49	53