Effect on peanut cultivars (*Arachis hypogaea* L.)

The net impact of individual and combined stress on plant growth

Stress 1: Drought
Stress 2: Cadmium
Stage of plant: 15-day old seedling

The table shows the impact of individual and combined drought and heavy metal cadmium stress on yield of peanut cultivars

Cultivar	Treatment	Response under combined stress (Type A parameters*)			
		Biomasses (g/plant)		Yields (g/plant) (Pod-ripened)	Dry weight of seeds (g/plant)
		Root	Shoot		
Fenghua 1	$CdCl_2$ (2.76 mg/kg) + Drought SWC at 35% of WHC (Sequential stress)	1.06	2.1	8.18	5.18
	$CdCl_2$ (2.76 mg/kg) + Well watered (Sequential stress)	1.09	4.07	16.18	10.39
Silihong	$CdCl_2$ (2.76 mg/kg) + Drought SWC at 35% of WHC (Sequential stress)	0.5	1.69	9.12	6.66
	$CdCl_2$ (2.76 mg/kg) + Well watered (Sequential stress)	0.7	2.91	13.84	10.16

Reference– Liu C, Yu R, Shi G, (2016) Effects of drought on the accumulation and redistribution of cadmium in peanuts at different developmental stages. Arch. Agron. Soil Sci. 63: 1049-1057

Note: *Values are presented as it is from the source article without subjecting to the calculation.*

''- For more information on parameters classification, please refer to 'methodology' tab*

Inference from the study: Liu *et al.* 2016 studied the interactive effect of drought and heavy metal Cadmium on two peanut cultivars Fenghua 1 and Silihong. Both the cultivars were negatively affected when treated with combined drought and Cadmium stress in comparison with single stress of Cadmium only.