

Table 1 Impact of drought stress on agro-physiological traits in wheat (Adopted from Bapela et al., 2022)

Agronomic Trait	Reduction (%)	Location/Country
Plant height	34.45%	Pakistan
Number of tillers per plant	25.43%	
Grains per spike	38.10%	
Grain yield	62.75%	
1000-grain weight	19.42%	
Biomass	27.05%	China
Grain yield	25%	
Grain numbers per spike	48%	Kansas State University, USA
Individual grain weight [mg]	35%	
Leaf photosynthetic rate	32%	
Chlorophyllcontent	19%	
Spikelet fertility	29%	
Plantheight	14.7%	Egypt
Days to 50% heading	4.78	
Number of effective tillers	36.3%	
Spike length	23.7%	
1000-grain weight	16.4%	
Grain yield	43.2%	
Biomass	32.9%	
Harvest index	12.7%	
Number of grains perspike	50%	South Africa
Root biomass	23%	South Africa
Grainyield	40%	SouthAfrica
Above-ground biomass	45%	Colorado State University, USA
Leaf water content (LWC) in cultivars Seri	64.9%	Philippines
M82 and Weebil4, respectively	73.8%	
LWC in cultivars Kukriand	72.6%~54.4%	Australia
Excalibur, respectively	74.5%~50.5%	