Table S1: Experimental measures/applications during the pot experiment.

Date (DOY*)	Experimental measures/applications
80	Seeding of cvs. Taifun, Monsun, Golia, Gönen
101	Reduction to 10 plants per Mitscherlich pot
102	Water supply to field capacity; installation of TDR-probes
103	1. N fertilization (N1) 90 kg ha^{-1} (EC 10); 4 cultivars
130	Fungicide treatment to Golia and Gönen with 'AGENT'
131	2. N fertilization (N2) 45 kg ha^{-1} (EC 30); 4 cultivars
141	Reduction to 8 plants per Mitscherlich pot
141	3. N fertilization (N3) cv. Taifun, 30 or 60 kg ha^{-1} (EC 51)
143	3. N fertilization (N3) cv. Monsun, 30 or 60 kg ha^{-1} (EC 51)
146	cv. Taifun: Start of differentiated water supply; well-watered, water deficit (EC 59)
147	cv. Monsun: Start of differentiated water supply; well-watered, water deficit (EC 59)
147	3. N fertilization (N3) cv. Golia, 30 or 60 kg ha^{-1} (EC 51)
150	cv. Golia: Start of differentiated water supply; well-watered, water deficit (EC 59)
153	3. N fertilization (N3) cv. Gönen, 30 or 60 kg ha^{-1} (EC 51)
155	cv. Gönen: Start of differentiated water supply; well-watered, water deficit (EC 59)
168	cv. Taifun: Resaturation of water deficit plants to field capacity and end of water supply
169	cv. Monsun: Resaturation of water deficit plants to field capacity and end of water supply
172	cv. Golia: Resaturation of water deficit plants to field capacity and end of water supply
177	cv. Gönen: Resaturation of water deficit plants to field capacity and end of water supply
199	cv. Taifun: Maturity (EC 89), sampling
200	cv. Monsun: Maturity (EC 89), sampling
205	cv. Golia: Maturity (EC 89), sampling
212	cv. Gönen: Maturity (EC 89), sampling

* Day of year (DOY)