Subgroup Analysis – TSS_No_Outliers (Excluding 'not' categories)
Based on 2263 effect sizes from 13 studies | Grand Mean: 8.69% *** Significance Level Grand Mean: 8.69% *** *** p < 0.001 ** p < 0.01 * p < 0.05 Arragement subsurface (n=9) \bigcirc ns p >= 0.05 surface (n=170) **Climate zone** Warm temperate (n=32) d Arid (n=146) Continent Asia (n=175) **Crop type** processing (n=95) Fresh (n=25) **Emitter flow rate** 2–4 (n=39) b <2 (n=48) **Irrigation quality** Saline water (n=91) Freshwater (n=86) **Mulch color** Transparent (n=34) White (n=84) С Black (n=40) **Mulch material** polyethylene (n=138) biodegradable film (n=40) С Nitrogen <100 (n=55) 100-200 (n=67) 200-300 (n=13) Planting year Second (n=61) b Third (n=40) First (n=78) Rainfall =200 (n=108) b 200-500 (n=34) Soil bulk density = 1.35 (n=150) а <1.35 (n=19) c Soil organic matter < 1.5% (n=21) (n=46) = 1.5% Soil pH (n=140) =7 Soil texture fine soils (n=17) d (n=106) coarse soils medium soils (n=56) 50% -50% -25% 0% 25%

Effect on Total Soluble Solids (%)