Subgroup Analysis – TY_No_Outliers (Excluding 'not' categories)
Based on 4624 effect sizes from 44 studies | Grand Mean: 11.36% ** Significance Level Grand Mean: 11.36% ** *** p < 0.001 ** p < 0.01 **Arragement** (n=47)subsurface * p < 0.05 surface (n=328) Ons p >= 0.05**Climate zone** (n=198) Arid Boreal (n=13)(n=146) Warm temperate (n=17) Equatorial Continent Oceania (n=13)Africa (n=44)Asia (n=201) Europe (n=7)North America (n=106) **Crop type** processing (n=117) (n=123) Fresh С (n=33)both **Emitter flow rate** (n=74)<2 2-4 (n=138) b **Irrigation quality** Saline water (n=111) Freshwater (n=264) (n=39)**Mulch color** Transparent White (n=92) (n=191) Black **Mulch material** biodegradable film (n=69) (n=34)organic (n=262) polyethylene Nitrogen >300 (n=25)100-200 (n=90) 200-300 (n=66)(n=89) <100 d Planting year Third (n=47) d (n=105) Second First (n=220) (n=14) Rainfall >500 =200 (n=105) d 200-500 (n=108) Soil bulk density = 1.35(n=170) d <1.35 (n=44)b Soil organic matter (n=78)= 1.5% d < 1.5% (n=45) С (n=38)<7 Soil salinity (n=11) 4–8 <2 (n=141) 2–4 (n=20) Soil texture fine soils (n=62) medium soils (n=121) (n=166) coarse soils -75% -50% -25% 50% 75% 0% 25%

Effect on Total Yield (%)