

Table 2.7. Enterprise budgets for organically produced broccoli in 2014 and 2015 as affected by tillage and fertility treatment (US\$·ha⁻¹)

	2014						2015					
	Preplant ^z			Split			Preplant			Split		
	CT ^y	ST	NT	CT	ST	NT	CT	ST	NT	CT	ST	NT
Broccoli yield (t·ha ⁻¹)	7.3	4.4	6.8	7.3	4.6	4.6	19.6	22.5	21.3	23.3	21.4	19.1
Gross revenue	26,807	16,088	24,948	26,812	16,822	16,809	72,135	82,859	78,344	85,794	78,571	70,441
Interest expense	531	492	521	591	556	541	781	830	781	907	867	803
Seed and inputs ^x	3,156	3,156	3,156	4,141	4,141	4,141	3,207	3,207	3,207	4,196	4,196	4,196
Preharvest labor ^w	2,140	2,338	2,115	2,140	2,338	2,115	2,619	2,560	2,115	2,619	2,560	2,115
Harvest ^v	3,573	2,713	3,425	3,573	2,773	2,773	7,196	8,051	7,690	8,288	7,707	7,060
Ownership costs ^u	1,883	1,826	1,821	1,883	1,826	1,821	1,883	1,826	1,821	1,883	1,826	1,821
Total costs	11,280	10,524	11,036	12,328	11,634	11,392	15,686	16,475	15,612	17,890	17,154	15,993
Profit	15,527	5,564	13,912	14,483	5,188	5,418	56,449	66,384	62,732	67,904	61,417	54,448

^zPreplant = only preplant fertilizer; Split = 2/3 of N from preplant fertilizer and 1/3 from fertigation.

^yCT = Conventional tillage; ST = Strip tillage; NT = No tillage.

^xBroccoli and cover crop seed, potting mix, fertilizer, drip tape, and insecticide.

^wLabor for seeding flats, setting up irrigation, spraying insecticide, and handweeding. Based on a \$12/hour wage (\$10/hour wage plus payroll taxes).

^vCost of waxed boxes and labor for harvest, washing, and packing. Labor based on a wage of \$12/hour.

^uFixed costs of machinery, greenhouse, and irrigation equipment, and land rent at \$618·ha⁻¹/acre [based on the average 2015 rental rate in Iowa of \$608·ha⁻¹/acre (Plastina et al., 2015)].