

**TABLE 20.1.** Influence of tillage on corn and soybean yields and corn residue production for a Wedowee soil in the Southern Piedmont<sup>1</sup>

Tillage system	Corn yield <sup>2</sup>	Residue cover <sup>3</sup>	Soybean yield <sup>4</sup>
	bushels per acre	percent	bushels per acre
No-till with coulters	108	81	42
Strip tillage (10 inches wide)	104	60	35
Fall chisel plow, no-till planting	96	54	32
Spring chisel plow, no-till planting	91	20	28
Disk only	76	24	34
Fall chisel plow, spring disk	69	6	24
Spring chisel plow, spring disk	65	12	21
Fall moldboard plow, spring disk	55	2	17
Spring chisel plow, spring disk	60	1	17

<sup>1</sup>Data from H. P. Denton, M. W. Waggoner and associates, Soil Science Department, North Carolina State University.

<sup>2</sup>Continuous corn, five-year average

<sup>3</sup>Residue cover from corn preceding the first crop of soybeans

<sup>4</sup>First crop of soybeans following corn