

**Table 11-9a Western Washington Soil Mineralization Table**

This table list values for the amount of nitrogen mineralized from soil organic matter annually. This is in addition to nitrogen mineralized from manure applications.

Percent Soil Organic Matter <sup>1</sup>	Suggested Value <sup>2</sup>	Range <sup>3</sup>
	LB Nitrogen/Acre/Year	
1	20	10-40
2	40	20-80
3	60	30-120
4	80	40-160
≥ 5 <sup>4</sup>	100	50-200

<sup>1</sup> From Soil 5 database or determined via soil testing.

<sup>2</sup> Based on annual mineralization of 2% of the organic N in soil organic matter.

<sup>3</sup> Actual N mineralization at a site will vary. Site variables include tillage, C/N ratio, soil temperature/moisture, history of organic amendments, and soil drainage class. The range given represents mineralization of 1 to 4% of the soil organic matter nitrogen per year.

<sup>4</sup> Limited data from Western Washington indicates that soils above 5% organic matter mineralize N at similar rates.