

**Results:**

**Average Infiltration Rates, after consecutive 1"  
 applications of ponded water**

| Date and Point in rotation                                  | Average Infiltration Rates |          |          |
|---|----------------------------|----------|----------|
|   | 1st inch                   | 2nd inch | 3rd inch |
|   | -----in/min-----           |          |          |
| <b>September 3, 1999</b>                                    |                            |          |          |
| Rotation with mustard green manures<br>After wheat harvest  | 1.39a                      | 0.48a    |          |
| Rotation without green manures<br>After wheat harvest       | 0.13b                      | 0.18b    |          |
| <b>November 2, 2000</b>                                     |                            |          |          |
| Rotation with mustard green manures<br>After potato harvest | 0.20b                      | 0.19a    | 0.16     |
| Rotation without green manures<br>After sugarbeet harvest   | 0.39a                      | 0.05b    |          |
| <b>March 7, 2001</b>  |                            |          |          |
| Rotation with mustard green manures<br>Potatoes/winter      | 0.57a                      | 0.10a    |          |
| Rotation without green manures<br>Sugarbeets/winter         | 0.06b                      | 0.05b    |          |
| <b>March 5, 2002</b>  |                            |          |          |
| Rotation with mustard green manures<br>Potatoes/winter      | 0.14                       | 0.09a    | 0.08     |
| Rotation without green manures<br>Fallow/winter             | 0.10                       | 0.05b    |          |