Table 1: Farm Soil Resistance

| Microorganism | Isolates (n) | SXT | CIP | TGC | CTX | AMP | GM | ATM | CRO | VAN | Resistance Profile |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| E. coli | 30 | 60% (23-88) | 40% (12-77) | 0% (0-49) | 75% (30-95) | 75% (30-95) | 40% (12-77) | 0% (0-79) | 0% (0-79) | 0% (0-79) |  |
| Klebsiella pneumoniae | 24 | 100% (51-100) | 25% (5-70) | 50% (15-85) | 50% (15-85) | 100% (51-100) | 100% (51-100) | 0% (0-0) | 0% (0-0) | 0% (0-0) | SXT-AMP-GM (24/24) |
| Serratia odoniferia | 5 | 0% (0-0) | 0% (0-79) | 0% (0-0) | 100% (21-100) | 0% (0-0) | 0% (0-79) | 0% (0-79) | 100% (21-100) | 0% (0-0) | CTX-CRO (5/5) |
| Pseudomonas Spp | 5 | 0% (0-0) | 0% (0-79) | 0% (0-0) | 100% (21-100) | 0% (0-0) | 0% (0-79) | 100% (21-100) | 0% (0-79) | 0% (0-0) | CTX-ATM (5/5) |
| Pseudomonas luteola | 5 | 0% (0-0) | 0% (0-79) | 0% (0-0) | 0% (0-79) | 0% (0-0) | 0% (0-79) | 0% (0-79) | 0% (0-79) | 0% (0-0) |  |
| Xanthomonas maltophilia | 12 | 50% (9-91) | 0% (0-66) | 50% (9-91) | 0% (0-0) | 0% (0-0) | 0% (0-66) | 50% (9-91) | 50% (9-91) | 0% (0-0) |  |
| Yersinia pestis | 4 | 0% (0-0) | 0% (0-79) | 0% (0-0) | 0% (0-79) | 0% (0-0) | 100% (21-100) | 0% (0-0) | 100% (21-100) | 0% (0-0) | GM-CRO (4/4) |
| Total Farm Soil (n = 85) | 85 | 73% (43-90) | 20% (7-45) | 30% (11-60) | 58% (32-81) | 88% (53-98) | 47% (25-70) | 33% (10-70) | 43% (16-75) | 0% (0-79) | 70% MDR (7/10) |