Table 1: Microbial Distribution Across Sample Items

| Microbe | Amaranthus (N = 44) | Chicken manure (N = 45) | Chinese Cabbage (N = 30) | Farm soil (N = 85) | Pig manure (N = 46) | Home soil (N = NA) | Rape (N = NA) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| E. coli | 6 (13.6%) | 18 (40%) | 6 (20%) | 30 (35.3%) | 24 (52.2%) | 0 (0%) | 0 (0%) |
| Acinetobacter junni | 0 (0%) | 4 (8.9%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Klebsiella pneumoniae | 18 (40.9%) | 12 (26.7%) | 18 (60%) | 24 (28.2%) | 12 (26.1%) | 36 (66.7%) | 36 (54.5%) |
| Serratia odoniferia | 0 (0%) | 5 (11.1%) | 0 (0%) | 5 (5.9%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Pasteurella Spp | 20 (45.5%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 4 (6.1%) |
| Acinetobacter Spp | 0 (0%) | 6 (13.3%) | 0 (0%) | 0 (0%) | 6 (13%) | 0 (0%) | 0 (0%) |
| Raoultella ornitholytica | 0 (0%) | 0 (0%) | 6 (20%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Pseudomonas Spp | 0 (0%) | 0 (0%) | 0 (0%) | 5 (5.9%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Erwinia Spp | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 5 (7.6%) |
| Pseudomonas luteola | 0 (0%) | 0 (0%) | 0 (0%) | 5 (5.9%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Xanthomonas maltophilia | 0 (0%) | 0 (0%) | 0 (0%) | 12 (14.1%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Stenotrophomonas | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 6 (11.1%) | 0 (0%) |
| Pseudomonas cepacia | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 16 (24.2%) |
| Stenotrophomonas maltophilia | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 6 (11.1%) | 0 (0%) |
| Pseudomonas aeruginosa | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 5 (7.6%) |
| Yersinia pestis | 0 (0%) | 0 (0%) | 0 (0%) | 4 (4.7%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Salmonella choleraesuis | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 6 (11.1%) | 0 (0%) |
| Acinetobacter pitii | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 4 (8.7%) | 0 (0%) | 0 (0%) |