**Table 1.** NSE, PBIAS, and $R^2$ for North Carolina site EFED models and monitoring data.

| | North Carolina Site | | |
|---|---|---|---|
| **Model** | **NSE** | **PBIAS (%)** | **$R^2$** |
| Flubendiamide in Water Column | -0.17 | 66 | 0.15 |
| Flubendiamide in Water Column with Flow Through | -0.24 | 72 | 0.11 |
| Des-iodo in Water Column | -0.22 | -22 | 0.29 |
| Des-iodo in Water Column with Flow Through | 0.10 | 24 | 0.22 |
| Flubendiamide in Pore Water | -0.41 | -89 | 0.16 |
| Flubendiamide in Pore Water with Flow Through | -0.14 | -59 | 0.11 |
| Des-iodo in Pore Water | -11.92 | -227 | 0.42 |
| Des-iodo in Pore Water with Flow Through | -3.37 | -127 | 0.35 |

**Table 2.** NSE, PBIAS, and $R^2$ for Georgia site EFED models and monitoring data.

| | Pond 1 | | | Pond 2 | | |
|---|---|---|---|---|---|---|
| **Model** | **NSE** | **PBIAS (%)** | **$R^2$** | **NSE** | **PBIAS (%)** | **$R^2$** |
| Flubendiamide in Water Column | -4.52 | -286 | 0.24 | -2.81 | -255 | 0.12 |
| Flubendiamide in Water Column with Flow Through | -0.51 | -121 | 0.28 | -0.15 | -103 | 0.10 |
| Des-iodo in Water Column | -41.27 | -661 | 0.50 | -40.15 | -748 | 0.32 |
| Des-iodo in Water Column with Flow Through | 0.64 | -52 | 0.55 | 0.36 | -70 | 0.30 |
| Flubendiamide in Pore Water | -215.65 | -2100 | 0.57 | -494.69 | -2888 | 0.34 |
| Flubendiamide in Pore Water with Flow Through | -63.42 | -1164 | 0.43 | -149.67 | -1616 | 0.29 |
| Des-iodo in Pore Water | -428.14 | -2310 | 0.59 | -2478.93 | -5694 | 0.29 |
| Des-iodo in Pore Water with Flow Through | -21.78 | -596 | 0.51 | -152.07 | -1574 | 0.24 |