**S1 Table: Composition of the diet with or without ω3 PUFA supplementation (%). Crtl: control without fish oil supplementation, Supp: supplemented with fish oil.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Starting | Growing | Growing | | Before laying | | Laying | |
|
| Weeks | 0 to 4 | 5 to 8 | 9 to 18 | | 19 to 22 | | 23 to 39 | |
|  | Crtl | Crtl | Crtl | Supp | Crtl | Supp | Crtl | Supp |
| Corn | 39.64 | 36.58 | 36.58 | 36.58 | 49.33 | 49.33 | 54.19 | 54.19 |
| Soybean meal (48%) | 29.3 | 3.32 | 3.32 | 3.32 | 14.37 | 14.37 | 13.95 | 13.95 |
| Wheat | 23.86 | 30 | 30 | 30 | 22.22 | 22.22 | 8 | 8 |
| Sunflower oil | 1 | 14 | 14 | 14 | 8 | 8 | 5.8 | 5.8 |
| Soy oil | 2.2 | 1 | 1 | 0 | 1.02 | 0.02 | 2 | 1 |
| Wheat bran | 0 | 11.29 | 11.29 | 11.29 | 0 | 0 | 0 | 0 |
| Sodium bicarbonate | 0.18 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Calcium carbonate | 0.86 | 1.08 | 1.08 | 1.08 | 2.1 | 2.1 | 6.6 | 6.6 |
| Phosphate | 2.06 | 1.77 | 1.77 | 1.77 | 2.06 | 2.06 | 2.2 | 2.2 |
| Salt | 0.3 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 |
| Methionine DL | 0.1 | 0 | 0 | 0 | 0.01 | 0.01 | 0.05 | 0.05 |
| Lysine | 0 | 0.07 | 0.07 | 0.07 | 0 | 0 | 0 | 0 |
| Mineral Premix | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Soybean | 0 | 0 | 0 | 0 | 0 | 0 | 6.33 | 6.33 |
| OMG 750 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |