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Microalgae culture media should be economic, allow for high growth, satisfy the needs of microalgal cells and experience. In this study, we evaluate the elect of different media formula prepared from commercial agricultural fertilizers (CAGF), comparing to F/2 Guillard standard medium as a control medium, on growth (cell density, CD; dry weight, DW and special comparing to F/2 Guillard standard medium as a control medium, on growth (cell density, CD; dry weight, DW and special composition (lipid, protein, and carbohyd haten) model for positions oceanicaComparing to N/P ratio (9.6) and actually quantity (12.36 g/l and 1.29 g/l, respectively) of F/2 standard medium six N/P ratios (19.2, 9.6, 9.6, 4.8, 3.2 and 1.6) were prepared from Nitric Acid (N-Nt) or Ammonium Sulphate (N-Am) as a nitrogen source, with phosphoric acid (P), as a phosphorus source, for culturing media of N. ecresults investigated that some CAGF media achieved signic cant (P 0.05) growth and biochemical composition higher than F/2 Comparing to lipid percentage (30.70 %) of F/2, the lipid percentage of N. oceitaries on different CAGF media were ranging from 18.40% to 46.12%, depending on nutrient limitation, nitrogen source, N/P ratios and actually ator concentrations. Finally, the use of CAGF constitutes a viable alternative of F/2 medium to reduce the production costs oceanicathe commonly used in marine hatcheries and also other biotechnological applications.

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