

**By** the Committees on Rules; and Environment and Natural Resources; and Senator Albritton

595-02958-22

20221000c2

1                                   A bill to be entitled  
2       An act relating to nutrient application rates;  
3       amending s. 576.011, F.S.; defining the terms  
4       "certified professional" and "site-specific nutrient  
5       management"; amending s. 576.045, F.S.; providing  
6       legislative findings and intent; authorizing the use  
7       of site-specific nutrient management in specified  
8       circumstances; revising the authorized uses of  
9       specified funds; authorizing citrus producers to use  
10      written recommendations from certified professionals  
11      to tailor their recommended nutrient application rates  
12      under certain circumstances; requiring citrus  
13      producers to keep records regarding the determination  
14      that the published nutrient application rates are not  
15      appropriate and any recommendations for site-specific  
16      nutrient management for a specified period of time;  
17      requiring producers using site-specific nutrient  
18      management to enroll in and implement certain  
19      applicable best management practices; providing a  
20      presumption of compliance with certain requirements  
21      for producers using site-specific nutrient management;  
22      directing the University of Florida Institute of Food  
23      and Agricultural Sciences to analyze the use of site-  
24      specific nutrient management for certain crops,  
25      develop a research plan and certain recommendations,  
26      and submit a report to the Governor and Legislature by  
27      a specified date; extending the expiration of certain  
28      provisions; amending s. 403.067, F.S.; conforming a  
29      provision to changes made by the act; providing an

595-02958-22

20221000c2

30 effective date.

31  
32 Be It Enacted by the Legislature of the State of Florida:

33  
34 Section 1. Present subsections (5) through (33) and (34)  
35 through (42) of section 576.011, Florida Statutes, are  
36 redesignated as subsections (6) through (34) and (36) through  
37 (44), respectively, and new subsections (5) and (35) are added  
38 to that section, to read:

39 576.011 Definitions.—When used in this chapter, the term:

40 (5) “Certified professional” means an individual who holds  
41 a certified crop adviser designation issued by the American  
42 Society of Agronomy, who has passed the society’s Southeast  
43 Region Certified Crop Adviser Exam, who holds a 4R Nutrient  
44 Management Specialty certification, and whose credentials have  
45 been verified by the society’s Florida Certified Crop Adviser  
46 Board.

47 (35) “Site-specific nutrient management” means the  
48 application of nutrients in accordance with s. 576.045(4).

49 Section 2. Section 576.045, Florida Statutes, is amended to  
50 read:

51 576.045 Nitrogen and phosphorus; findings and intent; fees;  
52 purpose; best management practices; waiver of liability;  
53 compliance; rules; exclusions; expiration.—

54 (1) FINDINGS AND INTENT.—

55 (a) The Legislature finds that:

56 1. Nitrogen and phosphorus residues have been found in  
57 groundwater, surface water, and drinking water in various areas  
58 throughout ~~this~~ the state at levels in excess of established

595-02958-22

20221000c2

59 water quality standards. The Legislature further finds that some  
60 fertilization-management practices could be a source of such  
61 contamination.

62 2. Nutrient application rate recommendations are presently  
63 under review by the University of Florida Institute of Food and  
64 Agricultural Sciences so that they can reflect the latest  
65 methods of producing agricultural commodities and changes to  
66 nutrient application practices which are appropriate due to  
67 disease, new crop varieties, changes in United States Department  
68 of Agriculture Agricultural Marketing Service standards, growing  
69 techniques, and market conditions.

70 3. To gain efficiency and be able to compete successfully  
71 with foreign producers that benefit from lower costs of  
72 production and favorable trade conditions, many producers in  
73 this state grow more product per acre, resulting in higher  
74 production at lower overall costs. This high-efficiency crop  
75 production requires nutrient application to be based on the  
76 intensity of production on a per-acre basis, rather than the  
77 lower per-acre production on which past research based its  
78 recommended nutrient application rate.

79 4. Florida citrus faces challenges that include citrus  
80 greening, citrus canker, windstorms, a freeze in 2022 that  
81 resulted in the smallest citrus harvest since 1946, labor and  
82 supply chain shortages in 2022, and other events that result in  
83 the fruit not being harvested. In order to continue production  
84 of this state's iconic crop, nutrient application rates must  
85 reflect fruit grown on the tree after the bloom during the  
86 growing season and not fruit ultimately harvested for market  
87 delivery.

595-02958-22

20221000c2

88 (b) It is the intent of the Legislature to:

89 1. Improve fertilization-management practices as soon as  
90 practicable in a way that protects ~~this~~ the state's water  
91 resources and preserves a viable agricultural industry. This  
92 goal is to be accomplished through research concerning best  
93 management practices and education and incentives for the  
94 agricultural industry and other major users of fertilizer.

95 2. Accommodate continued citrus production without  
96 interruption as research to formally revise nutrient application  
97 rates is completed.

98 3. Authorize the use of site-specific nutrient management  
99 for Florida citrus to adjust recommended nutrient application  
100 rates when site-specific nutrient management is supported by  
101 written recommendations from a certified professional and  
102 documented using production and field data that is retained for  
103 review during the best management practices implementation  
104 verification process.

105 (2) FEES.—

106 (a) In addition to the fees imposed under ss. 576.021 and  
107 576.041, the following supplemental fees shall be collected and  
108 paid by licensees for the sole purpose of implementing this  
109 section:

110 1. One hundred dollars for each license to distribute  
111 fertilizer.

112 2. One hundred dollars for each specialty fertilizer  
113 registration.

114 3. Fifty cents per ton for all fertilizer that contains  
115 nitrogen or phosphorus and that is sold in this state.

116 (b) All fees paid to the department under this section are

595-02958-22

20221000c2

117 due and payable at the same time and in the same manner as the  
118 fees specified in ss. 576.021 and 576.041 and are subject to all  
119 provisions contained in those sections.

120 (c) All fees paid under this section must be deposited into  
121 the General Inspection Trust Fund and are exempt from ~~the~~  
122 ~~provisions of~~ s. 215.20. These funds are to be appropriated  
123 annually to the department and allocated according to a  
124 memorandum of understanding between the department and the  
125 Department of Environmental Protection. The allocation of  
126 indirect costs to these funds by any state agency is  
127 specifically prohibited.

128 (3) USE OF FUNDS PURPOSE.—The funds collected pursuant to  
129 subsection (2) must be used by the department for:

130 (a) Research, development, demonstration, and  
131 implementation of suitable interim measures, best management  
132 practices, or other measures used to achieve state water quality  
133 standards for nitrogen and phosphorus criteria, including site-  
134 specific nutrient management. Implementation of interim  
135 measures, best management practices, and other measures may  
136 include cost-sharing grants, technical assistance,  
137 implementation tracking, and conservation leases or other  
138 agreements for water quality improvement.

139 (b) Completing the analysis, research plan and  
140 recommendations, and report required under paragraph (4) (b).

141 (c) Approving, adopting, publishing, and distributing  
142 interim measures, best management practices, or other measures.  
143 In the process of developing, approving, and adopting interim  
144 measures, best management practices, or other measures, the  
145 department shall consult with the Department of Environmental

595-02958-22

20221000c2

146 Protection, the Department of Health, the water management  
147 districts, environmental groups, the fertilizer industry, and  
148 representatives from the affected farming groups.

149 (d)~~(e)~~ Reimbursing the Department of Environmental  
150 Protection for costs incurred which are associated with:

151 1. Monitoring and verifying the effectiveness of the  
152 interim measures, best management practices, or other measures  
153 approved and adopted under subsection (7) ~~(6)~~ at representative  
154 sites. The Department of Environmental Protection shall use its  
155 best professional judgment in making the initial determination  
156 of the effectiveness of the interim measures, best management  
157 practices, or other measures.

158 2. Sampling, analysis, and restoration of potable water  
159 supplies, pursuant to s. 376.307, found to contain levels of  
160 nitrate in excess of state water quality standards, which excess  
161 is determined to be the result of the application of fertilizers  
162 or other soil-applied nutritional materials containing nitrogen.

163  
164 This subsection must be implemented through a memorandum of  
165 understanding between the department and the Department of  
166 Environmental Protection.

167 (4) SITE-SPECIFIC NUTRIENT MANAGEMENT.—

168 (a) The use of site-specific nutrient management to tailor  
169 recommended nutrient application rates is authorized for citrus  
170 crops where site-specific nutrient management is supported by a  
171 certified professional.

172 1. When recommended nutrient application rates published by  
173 the Institute of Food and Agricultural Sciences at the  
174 University of Florida or other state universities and Florida

595-02958-22

20221000c2

175 College System institutions that have agricultural research  
176 programs are not appropriate for a specific producer due to soil  
177 conditions, disease, crop varieties, subsequent crop rotations,  
178 planting density, market requirements, or site-specific  
179 conditions, written recommendations from a certified  
180 professional may be used to tailor the recommended nutrient  
181 application rates for that producer. The determination that the  
182 published nutrient application rates are not appropriate and the  
183 recommendation for the tailoring of nutrient application rates  
184 must be documented with one or more of the following records, as  
185 appropriate: soil tests, plant tissue tests, pathology reports,  
186 yield response curves, growth records, or site-specific  
187 conditions, together with records specifying the application  
188 rate, the types or forms of nutrients used, the nutrient sources  
189 used, and the placement and timing of the nutrient sources. A  
190 producer must retain the records for 5 years to support the use  
191 of site-specific nutrient management.

192 2. Citrus producers using site-specific nutrient management  
193 must be enrolled in and implementing all other best management  
194 practices adopted by the department and identified in the  
195 enrolled notice of intent required under subsections (5) and (6)  
196 and s. 403.067(7) (c).

197 3. Notwithstanding any other law, citrus producers  
198 implementing site-specific nutrient management in compliance  
199 with this section are provided a presumption of compliance with  
200 state water quality standards, may rely on the waiver of  
201 liability in subsection (5), and may be deemed to be in  
202 compliance with s. 403.067(7) (c) and subsections (5) and (6).

203 (b) The University of Florida Institute of Food and

595-02958-22

20221000c2

204 Agricultural Sciences shall analyze the use of site-specific  
205 nutrient management for crops other than citrus and crop  
206 rotations, develop a research plan and interim recommendations  
207 for implementation of site-specific nutrient management, and  
208 submit a report to the Governor, the President of the Senate,  
209 and the Speaker of the House of Representatives by December 31,  
210 2022.

211 (5) WAIVER OF LIABILITY.—Notwithstanding any other  
212 ~~provision of law~~, the Department of Environmental Protection may  
213 ~~not is not authorized to~~ institute proceedings against any  
214 person or the Federal Government under ~~the provisions of s.~~  
215 376.307(5) to recover any costs or damages associated with  
216 nitrogen or phosphorus contamination of groundwater or surface  
217 water, or the evaluation, assessment, or remediation of such  
218 contamination of groundwater or surface water, including  
219 sampling, analysis, and restoration of potable water supplies,  
220 where the contamination of groundwater or surface water is  
221 determined to be the result of the application of fertilizers or  
222 other soil-applied nutritional materials containing nitrogen or  
223 phosphorus, provided the property owner or leaseholder:

224 (a)1. Provides the department with a notice of intent to  
225 implement applicable interim measures, best management  
226 practices, or other measures adopted by the department which  
227 ~~practices or measures~~ have been verified by the Department of  
228 Environmental Protection to be effective; and

229 2. Implements applicable interim measures, best management  
230 practices, or other measures as soon as practicable according to  
231 rules adopted by the department or no longer applies fertilizers  
232 or other soil-applied nutritional materials containing nitrogen



595-02958-22

20221000c2

233 or phosphorus; or

234 (b) No longer applies fertilizers or other soil-applied  
235 nutritional materials containing nitrogen or phosphorus ~~as of~~  
236 ~~the effective date of this section.~~

237 (6) ~~(5)~~ COMPLIANCE.—If the property owner or leaseholder  
238 implements interim measures, best management practices, or other  
239 measures adopted by the department which ~~practices or measures~~  
240 have been verified by the Department of Environmental Protection  
241 to be effective, and complies with the following, there is a  
242 presumption of compliance with state water quality standards for  
243 such criteria under this section and s. 403.067(7)(c) with  
244 respect to the application of fertilizers or other soil-applied  
245 nutritional materials containing nitrogen or phosphorus:

246 (a)1. Provides the department with a notice of intent to  
247 implement applicable interim measures, best management  
248 practices, or other measures adopted by the department; and

249 2. Implements applicable interim measures, best management  
250 practices, or other measures as soon as practicable according to  
251 rules adopted by the department or no longer applies fertilizers  
252 or other soil-applied nutritional materials containing nitrogen  
253 or phosphorus; or

254 (b) No longer applies fertilizers or other soil-applied  
255 nutritional materials containing nitrogen or phosphorus ~~as of~~  
256 ~~the effective date of this section.~~

257 (7) ~~(6)~~ RULEMAKING.—The department, in consultation with the  
258 Department of Environmental Protection, the Department of  
259 Health, the water management districts, environmental groups,  
260 the fertilizer industry, and representatives from the affected  
261 farming groups, shall adopt rules to:

595-02958-22

20221000c2

262 (a) Specify the requirements of interim measures, best  
263 management practices, or other measures to be implemented by  
264 property owners and leaseholders.

265 (b) Establish procedures for property owners and  
266 leaseholders to submit the notice of intent to implement and  
267 comply with interim measures, best management practices, or  
268 other measures.

269 (c) Establish schedules for implementation of interim  
270 measures, best management practices, or other measures.

271 (d) Establish a system to assure the implementation of best  
272 management practices, including recordkeeping requirements.

273 (8) ~~(7)~~ OTHER PROVISIONS.—

274 (a) This section does not limit the authority of the  
275 Department of Environmental Protection to regulate discharges  
276 associated with the commercial feeding of livestock and poultry  
277 defined in chapter 585, including that of dairy farm and egg  
278 production operations, or the disposal of sludge, residuals, or  
279 septage. This paragraph does not grant additional authority to  
280 regulate these discharges.

281 (b) This section does not limit federally delegated  
282 regulatory authority.

283 (c) The Department of Environmental Protection may adopt  
284 rules to establish criteria for dairy farms which provide  
285 reasonable assurance that state nitrate groundwater quality  
286 standards will not be violated and which, provided such criteria  
287 are met, shall prohibit the Department of Environmental  
288 Protection from instituting proceedings against any dairy farmer  
289 under ~~the provisions of~~ s. 376.307(5) and shall provide a  
290 presumption of compliance with safe nitrate groundwater quality

595-02958-22

20221000c2

291 standards.

292 (d) This section, except for subsection (2), does not apply  
293 to the manufacture, mixing, or blending of fertilizer, including  
294 fertilizer containing sludge, residuals, or septage.

295 (9) ~~(8)~~ EXPIRATION OF PROVISIONS.—Subsection (4) expires on  
296 December 31, 2027. Subsections (1), (2), (3), (5) ~~(4)~~, and (7)  
297 ~~(6)~~ expire on December 31, 2032 ~~2022~~. Subsections (6) ~~(5)~~ and  
298 (8) ~~(7)~~ expire on December 31, 2037 ~~2027~~.

299 Section 3. Paragraph (c) of subsection (7) of section  
300 403.067, Florida Statutes, is amended to read:

301 403.067 Establishment and implementation of total maximum  
302 daily loads.—

303 (7) DEVELOPMENT OF BASIN MANAGEMENT PLANS AND  
304 IMPLEMENTATION OF TOTAL MAXIMUM DAILY LOADS.—

305 (c) *Best management practices*.—

306 1. The department, in cooperation with the water management  
307 districts and other interested parties, as appropriate, may  
308 develop suitable interim measures, best management practices, or  
309 other measures necessary to achieve the level of pollution  
310 reduction established by the department for nonagricultural  
311 nonpoint pollutant sources in allocations developed pursuant to  
312 subsection (6) and this subsection. These practices and measures  
313 may be adopted by rule by the department and the water  
314 management districts and, where adopted by rule, shall be  
315 implemented by those parties responsible for nonagricultural  
316 nonpoint source pollution.

317 2. The Department of Agriculture and Consumer Services may  
318 develop and adopt by rule pursuant to ss. 120.536(1) and 120.54  
319 suitable interim measures, best management practices, or other

595-02958-22

20221000c2

320 measures necessary to achieve the level of pollution reduction  
321 established by the department for agricultural pollutant sources  
322 in allocations developed pursuant to subsection (6) and this  
323 subsection or for programs implemented pursuant to paragraph  
324 (12) (b). These practices and measures may be implemented by  
325 those parties responsible for agricultural pollutant sources,  
326 and the department, the water management districts, and the  
327 Department of Agriculture and Consumer Services shall assist  
328 with implementation. In the process of developing and adopting  
329 rules for interim measures, best management practices, or other  
330 measures, the Department of Agriculture and Consumer Services  
331 shall consult with the department, the Department of Health, the  
332 water management districts, representatives from affected  
333 farming groups, and environmental group representatives. Such  
334 rules must also incorporate provisions for a notice of intent to  
335 implement the practices and a system to assure the  
336 implementation of the practices, including site inspection and  
337 recordkeeping requirements.

338       3. When interim measures, best management practices, or  
339 other measures are adopted by rule, the effectiveness of such  
340 practices in achieving the levels of pollution reduction  
341 established in allocations developed by the department pursuant  
342 to subsection (6) and this subsection or in programs implemented  
343 pursuant to paragraph (12) (b) must be verified at representative  
344 sites by the department. The department shall use its best  
345 professional judgment in making the initial verification that  
346 the best management practices are reasonably expected to be  
347 effective and, when applicable, shall notify the appropriate  
348 water management district or the Department of Agriculture and

595-02958-22

20221000c2

349 Consumer Services of its initial verification before the  
350 adoption of a rule proposed pursuant to this paragraph.  
351 Implementation, in accordance with rules adopted under this  
352 paragraph, of practices that have been initially verified to be  
353 effective, or verified to be effective by monitoring at  
354 representative sites, by the department, or are authorized by s.  
355 576.045, shall provide a presumption of compliance with state  
356 water quality standards and release from s. 376.307(5) for those  
357 pollutants addressed by the practices, and the department is not  
358 authorized to institute proceedings against the owner of the  
359 source of pollution to recover costs or damages associated with  
360 the contamination of surface water or groundwater caused by  
361 those pollutants. Research projects funded by the department, a  
362 water management district, or the Department of Agriculture and  
363 Consumer Services to develop or demonstrate interim measures or  
364 best management practices shall be granted a presumption of  
365 compliance with state water quality standards and a release from  
366 s. 376.307(5). The presumption of compliance and release is  
367 limited to the research site and only for those pollutants  
368 addressed by the interim measures or best management practices.  
369 Eligibility for the presumption of compliance and release is  
370 limited to research projects on sites where the owner or  
371 operator of the research site and the department, a water  
372 management district, or the Department of Agriculture and  
373 Consumer Services have entered into a contract or other  
374 agreement that, at a minimum, specifies the research objectives,  
375 the cost-share responsibilities of the parties, and a schedule  
376 that details the beginning and ending dates of the project.

377 4. When water quality problems are demonstrated, despite

595-02958-22

20221000c2

378 the appropriate implementation, operation, and maintenance of  
379 best management practices and other measures required by rules  
380 adopted under this paragraph, the department, a water management  
381 district, or the Department of Agriculture and Consumer  
382 Services, in consultation with the department, shall institute a  
383 reevaluation of the best management practice or other measure.  
384 If the reevaluation determines that the best management practice  
385 or other measure requires modification, the department, a water  
386 management district, or the Department of Agriculture and  
387 Consumer Services, as appropriate, shall revise the rule to  
388 require implementation of the modified practice within a  
389 reasonable time period as specified in the rule.

390 5. Subject to subparagraph 6., the Department of  
391 Agriculture and Consumer Services shall provide to the  
392 department information obtained pursuant to subparagraph (d)3.

393 6. Agricultural records relating to processes or methods of  
394 production, costs of production, profits, or other financial  
395 information held by the Department of Agriculture and Consumer  
396 Services pursuant to subparagraphs 3., 4., and 5. or pursuant to  
397 any rule adopted pursuant to subparagraph 2. are confidential  
398 and exempt from s. 119.07(1) and s. 24(a), Art. I of the State  
399 Constitution. Upon request, records made confidential and exempt  
400 pursuant to this subparagraph shall be released to the  
401 department or any water management district provided that the  
402 confidentiality specified by this subparagraph for such records  
403 is maintained.

404 7. Subparagraphs 1. and 2. do not preclude the department  
405 or water management district from requiring compliance with  
406 water quality standards or with current best management practice

595-02958-22

20221000c2

407 requirements in any applicable regulatory program authorized by  
408 law for the purpose of protecting water quality. Additionally,  
409 subparagraphs 1. and 2. are applicable only to the extent that  
410 they do not conflict with any rules adopted by the department  
411 that are necessary to maintain a federally delegated or approved  
412 program.

413 Section 4. This act shall take effect July 1, 2022.