

**First Regular Session
Seventy-second General Assembly
STATE OF COLORADO**

REREVISED

*This Version Includes All Amendments
Adopted in the Second House*

LLS NO. 19-0798.01 Duane Gall x4335

HOUSE BILL 19-1247

HOUSE SPONSORSHIP

Valdez D. and Catlin, Arndt, Buckner, Buentello, Duran, Esgar, Jaquez Lewis, McCluskie, Michaelson Jenet, Roberts, Titone

SENATE SPONSORSHIP

Donovan and Coram,

House Committees

Rural Affairs & Agriculture
Appropriations

Senate Committees

Agriculture & Natural Resources

SENATE
Amended 3rd Reading
April 24, 2019

A BILL FOR AN ACT

101 **CONCERNING A STUDY BY THE COMMISSIONER OF AGRICULTURE ON**
102 **THE POTENTIAL APPLICATIONS FOR BLOCKCHAIN TECHNOLOGY**
103 **IN AGRICULTURAL OPERATIONS.**

SENATE
2nd Reading Unamended
April 23, 2019

Bill Summary

(Note: This summary applies to this bill as introduced and does not reflect any amendments that may be subsequently adopted. If this bill passes third reading in the house of introduction, a bill summary that applies to the reengrossed version of this bill will be available at <http://leg.colorado.gov>.)

HOUSE
3rd Reading Unamended
April 16, 2019

The bill directs the commissioner of agriculture to convene an advisory group to study the potential applications for blockchain technology in agricultural operations and to report to the general assembly in 2020 with its findings and recommendations for legislation, if any. The advisory group is subject to repeal July 1, 2020.

HOUSE
Amended 2nd Reading
April 12, 2019

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.
Capital letters or bold & italic numbers indicate new material to be added to existing statute.
Dashes through the words indicate deletions from existing statute.

1 *Be it enacted by the General Assembly of the State of Colorado:*

2 **SECTION 1.** In Colorado Revised Statutes, **add** 35-2-108 as
3 follows:

4 **35-2-108. Study of potential applications for blockchain**
5 **technology in agricultural operations - authority of commissioner -**
6 **report to general assembly - repeal.** (1) **SUBJECT TO SUBSECTION (4) OF**
7 **THIS SECTION, THE COMMISSIONER OF AGRICULTURE SHALL APPOINT AND**
8 **CONVENE AN ADVISORY GROUP TO STUDY POTENTIAL APPLICATIONS FOR**
9 **BLOCKCHAIN TECHNOLOGY IN AGRICULTURAL OPERATIONS, INCLUDING:**

10 (a) **TRACEABILITY OF THE ORIGIN OF PRODUCTS, OTHER THAN BEEF**
11 **AND PORK, FROM FARM TO SHELF;**

12 (b) **INVENTORY CONTROL;**

13 (c) **MONITORING OF IN-FIELD CONDITIONS, INCLUDING WEATHER,**
14 **SOIL QUALITY, AND THE FUNCTIONING OF IRRIGATION EQUIPMENT AND**
15 **SENSORS;**

16 (d) **MAINTENANCE RECORDS FOR PRODUCTION AND**
17 **TRANSPORTATION EQUIPMENT;**

18 (e) **DATA VERIFICATION AND CERTIFICATION OF ORGANIC**
19 **PRODUCTS;**

20 (f) **TRACKING AND ORDERING OF INPUT RESOURCES SUCH AS**
21 **FERTILIZER AND SEED; AND**

22 (g) **ASSET EXCHANGE, INCLUDING PAYMENTS FOR SALES AND**
23 **STORAGE OF PRODUCTS.**

24 (2) **(a)** **THE ADVISORY GROUP CONSISTS OF THE COMMISSIONER OF**
25 **AGRICULTURE OR THE COMMISSIONER'S DESIGNEE, ONE OR MORE MEMBERS**
26 **OF THE COLORADO COUNCIL FOR THE ADVANCEMENT OF BLOCKCHAIN**

1 TECHNOLOGY USE IN THE OFFICE OF ECONOMIC DEVELOPMENT OR ITS
2 SUCCESSOR COUNCIL, AND REPRESENTATIVES FROM THE AGRICULTURAL
3 AND ENVIRONMENTAL COMMUNITIES.

4 (b) THE ADVISORY GROUP MAY USE PRIVATE DATA FURNISHED ON
5 A VOLUNTARY BASIS AS PART OF ITS STUDY, BUT THE PROVISION OF DATA
6 SHALL NOT BE REQUIRED OF ANY PERSON. ANY PRIVATE DATA USED BY
7 THE ADVISORY GROUP REMAINS THE PROPERTY OF THE PERSON WHO
8 PROVIDED IT, AND THE COMMISSIONER OF AGRICULTURE SHALL ENSURE
9 THAT THE DATA REMAINS SECURE IN DATABASES MAINTAINED BY THE
10 DEPARTMENT OF AGRICULTURE AND IS NOT SHARED OR DISSEMINATED
11 WITHOUT THE EXPRESS, WRITTEN PERMISSION OF THE OWNER OF THE
12 DATA.

13 (3) ON OR BEFORE JANUARY 15, 2020, SUBJECT TO SUBSECTION (4)
14 OF THIS SECTION, THE COMMISSIONER OF AGRICULTURE OR THE
15 COMMISSIONER'S DESIGNEE SHALL PRESENT THE LEGISLATIVE COMMITTEES
16 OF REFERENCE HAVING JURISDICTION OVER BUSINESS AFFAIRS AND
17 AGRICULTURE WITH A SUMMARY OF THE ADVISORY GROUP'S FINDINGS,
18 INCLUDING, IF APPROPRIATE, PROPOSALS FOR LEGISLATION.

19 (4) (a) THE COMMISSIONER OF AGRICULTURE MAY SEEK, ACCEPT,
20 AND EXPEND GIFTS, GRANTS, OR DONATIONS FROM PRIVATE OR PUBLIC
21 SOURCES FOR THE PURPOSES OF THIS SECTION. THE COMMISSIONER SHALL
22 NOT CONDUCT THE STUDY UNTIL THE COMMISSIONER HAS RECEIVED
23 SUFFICIENT MONEY PURSUANT TO THIS SUBSECTION (4) TO CONDUCT THE
24 STUDY.

25 (b) THIS SUBSECTION (4) WILL BE REPEALED IF THE COMMISSIONER
26 DELIVERS THE REPORT SPECIFIED IN SUBSECTION (3) OF THIS SECTION OR
27 IF THE COMMISSIONER DETERMINES THAT INSUFFICIENT MONEY HAS BEEN

1 RECEIVED TO CONDUCT THE STUDY. THE COMMISSIONER SHALL NOTIFY
2 THE REVISOR OF STATUTES IN WRITING OF THE DATE ON WHICH A
3 CONDITION SPECIFIED IN THIS SUBSECTION (4) HAS OCCURRED BY
4 E-MAILING THE NOTICE TO REVISOROFSTATUTES.GA@STATE.CO.US. THIS
5 SUBSECTION (4) IS REPEALED, EFFECTIVE THE SEPTEMBER 1 FOLLOWING
6 THE DATE IDENTIFIED IN THE NOTICE THAT A CONDITION SPECIFIED IN THIS
7 SUBSECTION (4)(b) HAS OCCURRED OR, IF THE NOTICE DOES NOT SPECIFY
8 THAT DATE, FOLLOWING THE DATE OF THE NOTICE TO THE REVISOR OF
9 STATUTES.

10 (5) THIS SECTION IS REPEALED, EFFECTIVE JULY 1, 2020.

11 **SECTION 2. Act subject to petition - effective date.** This act
12 takes effect at 12:01 a.m. on the day following the expiration of the
13 ninety-day period after final adjournment of the general assembly (August
14 2, 2019, if adjournment sine die is on May 3, 2019); except that, if a
15 referendum petition is filed pursuant to section 1 (3) of article V of the
16 state constitution against this act or an item, section, or part of this act
17 within such period, then the act, item, section, or part will not take effect
18 unless approved by the people at the general election to be held in
19 November 2020 and, in such case, will take effect on the date of the
20 official declaration of the vote thereon by the governor.