

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

**REENGROSSED**

*This Version Includes All Amendments  
Adopted in the House of Introduction*

LLS NO. 19-0798.01 Duane Gall x4335

**HOUSE BILL 19-1247**

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**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.**

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**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>.)*

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.

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.

HOUSE  
3rd Reading Unamended  
April 16, 2019

HOUSE  
Amended 2nd Reading  
April 12, 2019

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

10 (4) (a) THE COMMISSIONER OF AGRICULTURE MAY SEEK, ACCEPT,  
11 AND EXPEND GIFTS, GRANTS, OR DONATIONS FROM PRIVATE OR PUBLIC  
12 SOURCES FOR THE PURPOSES OF THIS SECTION. THE COMMISSIONER SHALL  
13 NOT CONDUCT THE STUDY UNTIL THE COMMISSIONER HAS RECEIVED  
14 SUFFICIENT MONEY PURSUANT TO THIS SUBSECTION (4) TO CONDUCT THE  
15 STUDY.

16 (b) THIS SUBSECTION (4) WILL BE REPEALED IF THE COMMISSIONER  
17 DELIVERS THE REPORT SPECIFIED IN SUBSECTION (3) OF THIS SECTION OR  
18 IF THE COMMISSIONER DETERMINES THAT INSUFFICIENT MONEY HAS BEEN  
19 RECEIVED TO CONDUCT THE STUDY. THE COMMISSIONER SHALL NOTIFY  
20 THE REVISOR OF STATUTES IN WRITING OF THE DATE ON WHICH A  
21 CONDITION SPECIFIED IN THIS SUBSECTION (4) HAS OCCURRED BY  
22 E-MAILING THE NOTICE TO REVISOROFSTATUTES.GA@STATE.CO.US. THIS  
23 SUBSECTION (4) IS REPEALED, EFFECTIVE THE SEPTEMBER 1 FOLLOWING  
24 THE DATE IDENTIFIED IN THE NOTICE THAT A CONDITION SPECIFIED IN THIS  
25 SUBSECTION (4)(b) HAS OCCURRED OR, IF THE NOTICE DOES NOT SPECIFY  
26 THAT DATE, FOLLOWING THE DATE OF THE NOTICE TO THE REVISOR OF  
27 STATUTES.

1           (5) THIS SECTION IS REPEALED, EFFECTIVE JULY 1, 2020.

2           **SECTION 2. Act subject to petition - effective date.** This act  
3 takes effect at 12:01 a.m. on the day following the expiration of the  
4 ninety-day period after final adjournment of the general assembly (August  
5 2, 2019, if adjournment sine die is on May 3, 2019); except that, if a  
6 referendum petition is filed pursuant to section 1 (3) of article V of the  
7 state constitution against this act or an item, section, or part of this act  
8 within such period, then the act, item, section, or part will not take effect  
9 unless approved by the people at the general election to be held in  
10 November 2020 and, in such case, will take effect on the date of the  
11 official declaration of the vote thereon by the governor.