

# An Act

HOUSE BILL 19-1247

BY REPRESENTATIVE(S) Valdez D. and Catlin, Arndt, Buckner, Buentello, Duran, Esgar, Jaquez Lewis, McCluskie, Michaelson Jenet, Roberts, Titone, Bird, Herod, McLachlan, Melton, Pelton, Soper, Valdez A., Will, Becker;  
also SENATOR(S) Donovan and Coram, Sonnenberg.

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

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

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

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

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*Capital letters or bold & italic numbers indicate new material added to existing law; dashes through words or numbers indicate deletions from existing law and such material is not part of the act.*

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

(b) INVENTORY CONTROL;

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

(d) MAINTENANCE RECORDS FOR PRODUCTION AND TRANSPORTATION EQUIPMENT;

(e) DATA VERIFICATION AND CERTIFICATION OF ORGANIC PRODUCTS;

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

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

(2) (a) THE ADVISORY GROUP CONSISTS OF THE COMMISSIONER OF AGRICULTURE OR THE COMMISSIONER'S DESIGNEE, ONE OR MORE MEMBERS OF THE COLORADO COUNCIL FOR THE ADVANCEMENT OF BLOCKCHAIN TECHNOLOGY USE IN THE OFFICE OF ECONOMIC DEVELOPMENT OR ITS SUCCESSOR COUNCIL, AND REPRESENTATIVES FROM THE AGRICULTURAL AND ENVIRONMENTAL COMMUNITIES.

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

(3) ON OR BEFORE JANUARY 15, 2020, SUBJECT TO SUBSECTION (4) OF THIS SECTION, THE COMMISSIONER OF AGRICULTURE OR THE COMMISSIONER'S DESIGNEE SHALL PRESENT THE LEGISLATIVE COMMITTEES OF REFERENCE HAVING JURISDICTION OVER BUSINESS AFFAIRS AND

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AGRICULTURE WITH A SUMMARY OF THE ADVISORY GROUP'S FINDINGS, INCLUDING, IF APPROPRIATE, PROPOSALS FOR LEGISLATION.

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

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


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

**SECTION 2. Act subject to petition - effective date.** This act takes effect at 12:01 a.m. on the day following the expiration of the ninety-day period after final adjournment of the general assembly (August 2, 2019, if adjournment sine die is on May 3, 2019); except that, if a referendum petition is filed pursuant to section 1 (3) of article V of the state constitution against this act or an item, section, or part of this act within such period, then the act, item, section, or part will not take effect unless

approved by the people at the general election to be held in November 2020 and, in such case, will take effect on the date of the official declaration of the vote thereon by the governor.



KC Becker  
SPEAKER OF THE HOUSE  
OF REPRESENTATIVES



Leroy M. Garcia  
PRESIDENT OF  
THE SENATE



Marilyn Eddins  
CHIEF CLERK OF THE HOUSE  
OF REPRESENTATIVES



Cindi L. Markwell  
SECRETARY OF  
THE SENATE

APPROVED May 30, 2019 at 1:15 p.m.  
(Date and Time)



Jared S. Polis  
GOVERNOR OF THE STATE OF COLORADO