

トウモロコシ・サステナビリティ 認証プロトコル (CSAP)

2024年6月26日



U.S. GRAINS
COUNCIL

トウモロコシ・サステナビリティ認証プロ
トコル (CSAP) とサステナブル・トウモロ
コシ輸出プラットフォーム (SCE)



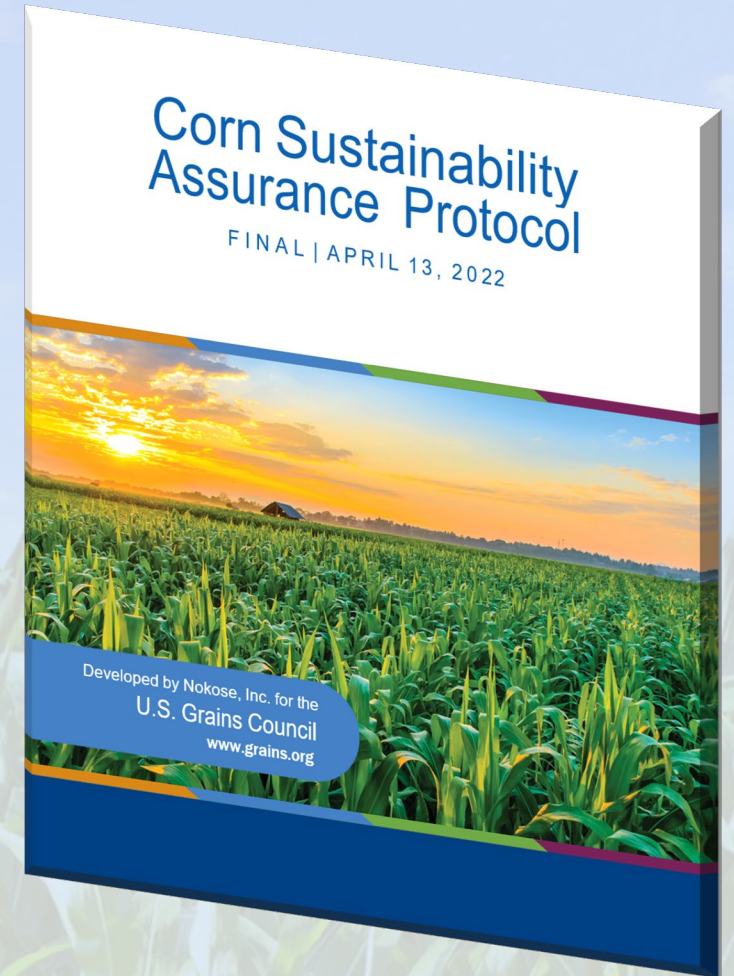


Corn Sustainability Assurance Protocol

輸出市場に焦点を当てたベースとなる プロトコール

トウモロコシとその併産物のサプライチェーンにおける米国の輸出者と海外の輸入者/利用者のためのサステナビリティのよりどころ。

米国でのトウモロコシの生産手法とその規制フレームワークについての関係者の理解を深める。



CSAPウェブプラットフォーム

([Sustainable Corn Exports - U.S. Grains Council](https://sustainablecornexports.org))

日本語 ([持続可能なトウモロコシの輸出 - アメリカ穀物協会 \(sustainablecornexports.org\)](https://sustainablecornexports.org))

- CSAP実施の基礎となるプラットフォームウェブサイト（サステナブル・トウモロコシ輸出プラットフォーム（SCE））：ユーザーがトウモロコシやその他の多様な製品について、すべての関係者にコストを伴わずに、各荷ごとに特定の「サステナビリティ記録（ROS、Records of Sustainability）」を発行・受領の記録をすることが可能になる。



CSAPの対象となるサステナブルなトウモロコシの量は、 米国農務省の保全順守事項をもとに定義

米国トウモロコシ生産者は米国農務省に作付面積と保全順守規定に関する自己監査を報告

Form AD1026
AD1026書式での報告



通常9割以上の生産者が参加

保全順守は米国政府(NRCSおよびFSA)により施行

土壌保全について:
土壌流亡
リスク農地

土地利用変化:
湿地保全



毎年40万ヘクタール以上の農地にて実施

サステナブルなトウモロコシの量は各市場年度の単収と作付面積から計算

9割以上の農地が参加
生産量: 3億5千万トン以上
輸出量: 5千~7千万トン



- マスバランスのコンセプトを用いて国際市場への輸出についての量を管理
- トウモロコシのサプライチェーンに沿った記録保持

AD-1024 Form

This form is available electronically.
AD-1026
(10-30-14)

(See Page 2 for Privacy Act and Paperwork Reduction Act Statements)
U.S. DEPARTMENT OF AGRICULTURE
Farm Service Agency

HIGHLY ERODIBLE LAND CONSERVATION (HELCS) AND WETLAND CONSERVATION (WC) CERTIFICATION

Read attached AD-1026 Appendix before completing form.

PART A – BASIC INFORMATION		
1. Name of Producer	2. Tax Identification Number (Last 4 digits)	3. Crop Year
4. Names of affiliated persons with farming interests. Enter "None," if applicable.		
<p><i>Affiliated persons with farming interests must also file an AD-1026. See Item 7 in the Appendix for a definition of an affiliated person.</i></p>		
<p>5. Check one of these boxes if the statement applies; otherwise continue to Part B.</p> <p>A. <input type="checkbox"/> The producer in Part A does not have interest in land devoted to agriculture. Examples include bee keepers who place their hives on another person's land, producers of crops grown in greenhouses, and producers of aquaculture AND these producers do not own/lease any agricultural land themselves. Note: Do not check this box if the producer shares in a crop.</p> <p>B. <input type="checkbox"/> The producer in Part A meets all three of the following:</p> <ul style="list-style-type: none"> • does not participate in any USDA program that is subject to HELC and WC compliance except Federal Crop Insurance. • only has interest in land devoted to agriculture which is exclusively used for perennial crops, except sugarcane, and • has not converted a wetland after February 7, 2014. <p>Perennial crops include, but are not limited to, tree fruit, tree nuts, grapes, olives, native pasture and perennial forage. A producer that produces alfalfa should contact the Natural Resources Conservation Service at the nearest USDA Service Center to determine whether such production qualifies as production of a perennial crop.</p> <p>Note: If either box is checked, and the producer in Part A does not participate in Farm Service Agency (FSA) or Natural Resources Conservation Service (NRCS) programs, the full tax identification number of the producer must be provided, but establishment of detailed farm records with FSA is not required. Go to Part D and sign and date.</p>		
PART B – HELC/WC COMPLIANCE QUESTIONS		
Indicate YES or NO to each question. If you are unsure of whether a HEL determination, wetland determination, or NRCS evaluation has been completed, contact your local USDA Service Center.		
6. During the crop year entered in Part A or the term of a requested USDA loan, did or will the producer in Part A plant or produce an agricultural commodity (including sugarcane) on land for which an HEL determination has not been made?	YES	NO
7. Has anyone performed (since December 23, 1985), or will anyone perform any activities to:		
A. Create new drainage systems, conduct land leveling, filling, dredging, land clearing, or excavation that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		
B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		
C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____ Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs. Note: If "YES" is checked for item 7A or 7B, then Part C must be completed to authorize NRCS to make an HELC/WC and/or certified wetland determination on the identified land. If "YES" is checked for item 7C, NRCS does not have to conduct a certified wetland determination.		
8. Check one or both boxes, if applicable; otherwise, continue to Part C or D.		
A. <input type="checkbox"/> Check this box only if the producer in Part A has FCIC reinsured crop insurance and filing this form represents the first time the producer in Part A, including any affiliated person, has been subject to HELC and WC provisions.		
B. <input type="checkbox"/> Check this box if either of the following applies to the producer and crop year entered in Part A: • Is a tenant on a farm that is/will not be in compliance with HELC and WC provisions because the landlord refuses to allow compliance, but all other farms not associated with that landlord are in compliance. (AD-1026B, Tenant Exemption Request, must be completed). • Is a landlord of a farm that is/will not be in compliance with HELC and WC provisions because of a violation by the tenant on that farm, but all other farms not associated with that tenant are in compliance. (AD-1026C, Landlord or Landowner Exemption Request, must be completed).		
PART C – ADDITIONAL INFORMATION		
9. If "YES" was checked in Item 6 or 7, provide the following information for the land to which the answer applies:		
A. Farm and/or tract/field number: _____ If unknown, contact the Farm Service Agency at the nearest USDA Service Center.		
B. Activity: _____		
C. Current land use (specify crops): _____		
D. County: _____		



This form is available electronically.
AD-1026
(10-30-14)

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Farm Service Agency

HIGHLY ERODIBLE LAND CONSERVATION (HELCS) AND WETLAND CONSERVATION (WC) CERTIFICATION

Read attached AD-1026 Appendix before completing form.

PART A – BASIC INFORMATION		
1. Name of Producer	2. Tax Identification Number (Last 4 digits)	3. Crop Year
4. Names of affiliated persons with farming interests. Enter "None," if applicable.		
<p><i>Affiliated persons with farming interests must also file an AD-1026. See Item 7 in the Appendix for a definition of an affiliated person.</i></p>		
<p>5. Check one of these boxes if the statement applies; otherwise continue to Part B.</p> <p>A. <input type="checkbox"/> The producer in Part A does not have interest in land devoted to agriculture. Examples include bee keepers who place their hives on another person's land, producers of crops grown in greenhouses, and producers of aquaculture AND these producers do not own/lease any agricultural land themselves. Note: Do not check this box if the producer shares in a crop.</p> <p>B. <input type="checkbox"/> The producer in Part A meets all three of the following:</p> <ul style="list-style-type: none"> • does not participate in any USDA program that is subject to HELC and WC compliance except Federal Crop Insurance. • only has interest in land devoted to agriculture which is exclusively used for perennial crops, except sugarcane, and • has not converted a wetland after February 7, 2014. <p>Perennial crops include, but are not limited to, tree fruit, tree nuts, grapes, olives, native pasture and perennial forage. A producer that produces alfalfa should contact the Natural Resources Conservation Service at the nearest USDA Service Center to determine whether such production qualifies as production of a perennial crop.</p> <p>Note: If either box is checked, and the producer in Part A does not participate in Farm Service Agency (FSA) or Natural Resources Conservation Service (NRCS) programs, the full tax identification number of the producer must be provided, but establishment of detailed farm records with FSA is not required. Go to Part D and sign and date.</p>		
PART B – HELC/WC COMPLIANCE QUESTIONS		
Indicate YES or NO to each question. If you are unsure of whether a HEL determination, wetland determination, or NRCS evaluation has been completed, contact your local USDA Service Center.		
6. During the crop year entered in Part A or the term of a requested USDA loan, did or will the producer in Part A plant or produce an agricultural commodity (including sugarcane) on land for which an HEL determination has not been made?	YES	NO
7. Has anyone performed (since December 23, 1985), or will anyone perform any activities to:		
A. Create new drainage systems, conduct land leveling, filling, dredging, land clearing, or excavation that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		
B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		
C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____ Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs. Note: If "YES" is checked for item 7A or 7B, then Part C must be completed to authorize NRCS to make an HELC/WC and/or certified wetland determination on the identified land. If "YES" is checked for item 7C, NRCS does not have to conduct a certified wetland determination.		
8. Check one or both boxes, if applicable; otherwise, continue to Part C or D.		
A. <input type="checkbox"/> Check this box only if the producer in Part A has FCIC reinsured crop insurance and filing this form represents the first time the producer in Part A, including any affiliated person, has been subject to HELC and WC provisions.		
B. <input type="checkbox"/> Check this box if either of the following applies to the producer and crop year entered in Part A: • Is a tenant on a farm that is/will not be in compliance with HELC and WC provisions because the landlord refuses to allow compliance, but all other farms not associated with that landlord are in compliance. (AD-1026B, Tenant Exemption Request, must be completed). • Is a landlord of a farm that is/will not be in compliance with HELC and WC provisions because of a violation by the tenant on that farm, but all other farms not associated with that tenant are in compliance. (AD-1026C, Landlord or Landowner Exemption Request, must be completed).		
PART C – ADDITIONAL INFORMATION		
9. If "YES" was checked in Item 6 or 7, provide the following information for the land to which the answer applies:		
A. Farm and/or tract/field number: _____ If unknown, contact the Farm Service Agency at the nearest USDA Service Center.		
B. Activity: _____		
C. Current land use (specify crops): _____		
D. County: _____		
10A. Producer's Signature (By)	10B. Title/Relationship (if Signing in Representative Capacity)	10C. Date (MM-DD-YYYY)
FOR FSA USE ONLY (for referral to NRCS) Sign and date if NRCS determination is needed.	11A. Signature of FSA Representative	11B. Date (MM-DD-YYYY)

IMPORTANT: If you are unsure about the applicability of HELC and WC provisions to your land, contact your local USDA Service Center for details concerning the location of any highly erodible land or wetland and any restrictions applying to your land according to NRCS determinations before planting an agricultural commodity or performing any drainage or manipulation. Failure to certify and properly revise your compliance certification when applicable may: (1) affect your eligibility for USDA program benefits, including whether you qualify for reinstatement of benefits through the Good Faith process; and (2) result in other consequences.


CSAPのサステナビリティ記録（ROS）の伝達・分配

ROSは：

- 参加者にコストなく発行される
- 以下を対象として発行


- イエローコーン
- ホワイトコーン
- コーングルテンミール
- コーングルテンフィード
- DDGS
- 高たんぱくDDGS
- コーン発酵タンパク質

RECORD OF SUSTAINABILITY



MARKETING YEAR	2022 - 2023	VESSEL/CARRIER NAME/SHIPMENT IDENTIFIER	YM UNIFORMITY
SHIPMENT DATE	JANUARY 14, 2023	DESTINATION COUNTRY	TAIWAN
PRODUCT	YELLOW CORN	DESTINATION	KAOHSIUNG
SHIPMENT WEIGHT (METRIC TONS)	435.22	PORT OF EXPORT/SHIPMENT LOCATION	LOS ANGELES, CA
EXPORTER COMPANY	THE DELONG CO., INC.	IMPORTER COMPANY	TAIWAN COMMODITY PURCHASING GROUP
ROS NUMBER	1.Y		

SCE has validated that the volumes of U.S. corn associated to this shipment are part of the total allocation of sustainable U.S. corn volumes for the Marketing Year in reference, as defined by the U.S. Grains Council in the Corn Sustainability Assurance Protocol (CSAP), using a mass balance accounting approach.


Cary Sifferath, SCE President
15979A1E7C239E8CC9C9

SCEのウェブプラットフォームのROSを用いた運用

輸出業者から輸入業者

市場年度ごとにサステイナブル・トウモロコシ生産量を決定
農務省プログラム参加トウモロコシ 市場年度 栽培面積 × 市場年度平均単収

米国のトウモロコシの輸出業者はSCEに登録し、輸出トウモロコシにROSを割り当て
輸出の出荷ごとに持続可能性の記録（ROS）に基づいて配分

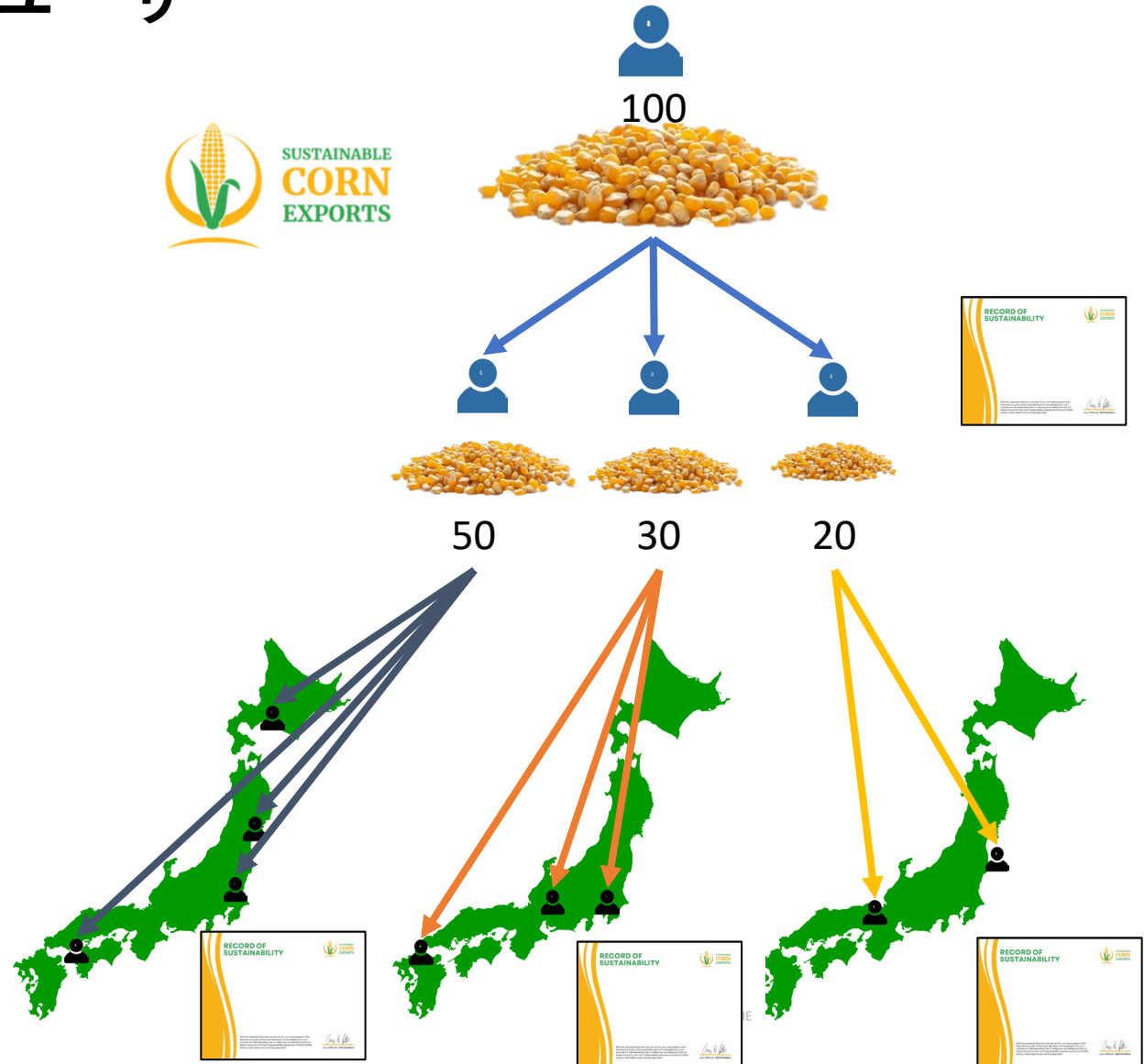


SCEのウェブプラットフォームの運用

輸入業者からサプライチェーンユーザー

輸入業者はメーカー（サプライチェーンユーザー）への出荷の際にROSを割り当て
ROSが付随しているトウモロコシの総量に達するまで（マ
スバランス）

メーカー（サプライチェーンユーザー）
はROSの総量に達するまで、製品別およ
び副産物別に特定の数量のROSを割り当
てることが可能（例：トウモロコシから
コーンスターチでは70%）
製品の出荷に持続可能性の記録（ROS）に基づいて配分
製品別および副産物別に特定の数量を分配転送（サブア
ロケート）



CSAPに関する資料

[サステナビリティの記事一覧 – アメリカ穀物協会 | U.S. Grains Council \(grainsjp.org\)](https://grainsjp.org)

- サプライチェーンユーザー向け利用ガイド(SCE)
- トウモロコシ・サステナビリティ認証プロトコル(CSAP)
- 輸入者向け利用ガイド(SCE)
- トウモロコシ・サステナビリティ認証プロトコル(CSAP)そしてトウモロコシ生産と利用に伴う温室効果ガス(GHG)排出
- NETWORK192号(2023年11月号)「トウモロコシ・サステナビリティ認証プロトコル(CSAP)」

[サステナビリティ – USDA Japan – 米国農務省 日本事務所](https://www.usda.gov/japan)

米国トウモロコシ生産者は
サステナビリティへの
取組みについて
世界中の皆様にお伝えしたい
と考えています。

