



Firefighter Grain Rescue Training Information Package

Reference Guideline

INTRODUCTION:

Thank you for contacting Canadian Agricultural Safety Association (CASA) and inquiring about our Grain Rescue training program. We have created this document as a reference guideline for your training session. It will outline your obligations for you (the Training Coordinator or Chief) and your trainees. Our hope is that this document makes for a safe and successful training session.

Course:

Grain Rescue Training



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BeGrainSafe



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Instructions

Please complete the blank sections in this document (**highlighted**) and send a copy back to Rob Gobeil at CASA (rgobeil@casa-acsa.ca).

Contact Information

Fire Department Name:	
Location (Town/City):	
Province:	
Address:	
Postal Code:	
Contact Name:	
Contact Phone #:	
Contact Email:	

Note: If you know of another department who may be interested in taking the training please ask them to contact us.

CASA's contact information is as follows:

Address:	3325-C Pembina Hwy.
Location:	Winnipeg
Province:	Manitoba
Postal Code:	R3V 0A2
Phone # (toll-free):	1-877-452-2272
Website:	www.casa-acsa.ca
General Email:	info@casa-acsa.ca
Office Hours:	Monday – Friday 7:30 AM – 5:00 PM

Rob Gobeil's contact information is as follows:

Title:	Agricultural Health and Safety Specialist
Phone (Office):	204-452-9970
Phone (Mobile):	204-951-5829
Email:	rgobeil@casa-acsa.ca
Office Hours:	Monday – Friday 8:00 AM – 4:00 PM



Sell Sheet

A copy of the CASA Firefighter Sell Sheet is included in Appendix A. This can be used for promotion of your training session within your department or mutual aid district. A full-size copy can be requested via email.

Course Overview

The following describes an average training session. Training sessions can be customized upon request.

Name:	Grain Rescue Awareness
Length:	2 Days: Day 1 – In-Class Theory (approx. less than 8 hours, depending on experience level of the group) Day 2 – Practical Training (approx. 8 hours with 25 trainees)
# of Trainees:	25
Trainer:	To be supplied by CASA (known as a Master Trainer) *Master Trainer will have their NFPA Training Certification

BeGrainSafe Trailer Specs

A copy of our BeGrainSafe Trailer Spec Sheet is included in Appendix A. This can be used for promotion of your training session within your department or mutual aid district. A full-size copy can be requested via email.

Cost Estimates & Invoicing

An estimate for the training session can be provided upon request. A general estimate reference can be calculated as follows:

Transport to Training Session:	\$5 per km
Trailer Rental (flat rate):	\$500
Security Deposit (refunded if no issues):	\$500
Trainer Fees:	\$800 per day
Trainer Expenses (flights, accommodations, etc.):	At cost (up to \$1200 total)

Note: CASA has created an “incentive” by encouraging departments to include an awareness/prevention component to the training session. If a department agrees to include this, the transport fees will be waived. For example, the cost often gets reduced from an estimate of \$5000 to \$2100 by using this incentive.



Sponsorships, Grants & Promotions

CASA encourages all departments to talk with their local businesses about sponsorships and monetary donations towards training or equipment. Several grain handling facilities have helped out their local fire departments in the past.

It is also a good idea to stay in tune with any government or private sector grants. Most grants involve an application process but it is often worth one's time.

CASA will be sure to point out any promotions that we have created with our partnering sponsors.

Recommended Equipment

Before Training Session (Optional)

CASA has fabricated a set of brackets to hold bin panels in place. The purpose is to practice bin breaching techniques. We encourage departments to contact local producers or suppliers to see if they have any bin panel sections for the training session. These panels are often donated at no cost to the department.

During Training Session

It is always better for trainees to use their own equipment whenever possible but CASA does keep a basic supply of Personal Protective Equipment (PPE) on hand to use if needed. CASA recommends that each trainee bring the following to the training session:

- Turnout Gear
- Safety Footwear
- Safety Eyewear
- Fall Protection Equipment
- Hardhat or Helmet
- Gloves
- Respiratory Protection
- Hearing Protection

After Training Session

We would recommend that the department or mutual aid district purchase a coffer dam and pencil auger to use in the event of an emergency rescue.

	Yes	No
Does your department or mutual aid district currently own a coffer dam?		
Does your department or mutual aid district currently own a pencil auger?		
Is your department or mutual aid district interested in purchasing a coffer dam and auger?		



Training Requirements & Prerequisites

This course is NOT for producers or private sector companies.

All trainees must be on the roster of one of the fire departments represented in the training session. Special exceptions must be arranged and approved through CASA ahead of time (i.e. paramedics wanting to attend).

All trainees are required to complete the CASA online [Grain Handling and Storage](#) course a minimum of two (2) weeks before the Grain Rescue training date. CASA creates an attendance list for scheduled the Grain Rescue training session from the completed online course report. Those with late completion of the Grain Handling and Storage course will have to show proof of completion to the Master Trainer in order to attend the Grain Rescue training session on the day of training.

Securing a Training Date

CASA needs to have a methodical and cost-effective approach to delivering the training so we need to create a schedule that promotes movement across the provinces throughout each year. We will work with each department to arrange a suitable training date that works with everyone's schedules.

Requested Training Date (DDMMYY):	
-----------------------------------	--

Changing a Training Date

Every reasonable attempt should be made to keep the original agreed upon training date. However, a new date must be agreed upon between CASA and the host department if a date needs to be changed.

Changes should not be made within two (2) weeks of the original date.

Cancellations can be made at any time but if the cancellation is within 2 weeks of the training date then CASA would charge the host department the \$500 Security Deposit to cover administrative and related Master Trainer costs.



Awareness/Prevention Messaging

CASA encourages all departments to include awareness and prevention messaging to the public whenever possible. A recommendation would be to promote a public awareness event on day two of the session while the trainees are doing their practical training.

A sample promotional poster is included in Appendix A.

Invitees would include local:

- Producers
- Elected officials
- Media (TV, radio, newspaper)
- Youth groups (i.e. 4-H)
- Agribusinesses
- Insurers

When hosting this type of event, the tables, tabletop displays, rollup banners, and monitor would be set up on the stairwell side of the trailer and the trainees awaiting their turn for practical training would talk with the public about grain handling and storage with a focus on prevention.

We would recommend that only the Master Trainer, Chief, or Training Coordinator speak with the media in order to keep the message consistent.

CASA also encourages posting pictures and comments on social media such as Twitter, FaceBook, etc. It is a good idea to designate a person for picture and social media duties. Please be sure to tag CASA and use appropriate pictures that do not show and hazardous conditions or actions. Our handles are as follows:

@planfarmsafety

#AgSafeCanada

#BeGrainSafe

#AgSafeLeader

A sample Twitter post would be:

Check it out! The #BeGrainSafe mobile unit is @CanolaPalooza. Find out how you can stay safe around grain. #SaskAg Learn more: URL

Note: CASA also has a Dust Explosion simulator/display that can be used to demonstrate dust explosions. This is an impressive and effective demonstration that can be used during a training or public awareness session.



Using the Tabletop Displays

CASA has several interactive tabletop displays, rollup banners, and a TV monitor that are used at trade shows for public awareness and education. The displays and banners are located in cases inside the front section of the trailer and have operation instructions and a script or messaging inside the case.

The TV monitor is located in the large rolling case in the rear section of the trailer. The Master Trainer will know how to set this up and will have the password for the onboard computer.

Receiving the BeGrainSafe Trailer

When receiving the BeGrainSafe trailer, please complete the inspection form included in Appendix B. The purpose of this is to ensure that all of the required equipment is received and is in good working order. There are two combination locks on the latches of the rear compartment door; the combination for both locks is 4-10-36. Once the rear door is opened, there is a black key box on the wall with labelled keys for the other trailer doors.

Setup of the BeGrainSafe Trailer

For liability reasons, the Master Trainer will be responsible for the full setup of the BeGrainSafe trailer. An electronic copy of the CASA BeGrainSafe Trailer Set-up and Operating Instructions/Guidelines can be emailed to the host department at the Master Trainer's request. This would only be for circumstances where the Master Trainer is under time constraints.

Using the BeGrainSafe Trailer

Again, for liability reasons, the Master Trainer will be responsible for the operation of the mechanical and electrical systems of the BeGrainSafe trailer. The Master Trainer can authorize trainees to operate the systems at their discretion with their direct supervision.

Packing the BeGrainSafe Trailer

The items in the BeGrainSafe trailer should be put away in an orderly fashion in order to ensure safe and secure transport to the following location after your training session. There are pictures inside the compartments of the trailer for reference as to where the items go and how they are secured.



Transport

CASA makes all transport arrangements to and from your location. Your department can move the trailer into position on site if needed. We ask that the trailer does not leave the address listed above for safety and insurance purposes.

Please contact CASA ahead of time if the trailer needs to be moved off site. We will want to ensure that the driver of the tow vehicle has a Class 3 license and is using a suitable tow vehicle.

Note: The BeGrainSafe trailer uses a pintle hitch. There is an adapter inside the front section of the trailer if needed.

Damage and Housekeeping

We understand that with use comes the possibility of damage to the trailer itself, mechanical components, training equipment, or displays. We ask that any and all damage is reported to the Master Trainer, who will attempt to fix the damage if possible. If it cannot be fixed they will report it to CASA as soon as possible.

Unreported damage or excessive housekeeping issues will be followed up with and the Security Deposit may be withheld on the invoice. Example pictures of damage and housekeeping issues can be found in Appendix A.

Agreement

I have reviewed this document and agree to use it as a guideline for my upcoming training session. I understand that my fire department is responsible for the CASA BeGrainSafe trailer while it is at rest on site for our training session. I agree to keep the trailer clean and in good working order and report any damage to the Master Trainer as soon as possible.

Authorized Signature

Date



Appendix A

Firefighter Sell Sheet:



BeGrainSafe

Grain entrapment is extremely dangerous for the victim and the rescuers. Firefighters must use specific safety and rescue procedures to increase their chances of a successful rescue, while keeping members of their department safe. That's why CASA has developed the following rescue course for firefighters.

Firefighter Grain Rescue Training Course

This training program incorporates both classroom theory and practical training. It is intended to prepare firefighters to respond to a grain entrapment incident on-farm or at a grain handling facility.

NOTE: All course participants are required to complete Introduction to Grain Handling and Storage Hazards (free, online course available at casa-asca.ca/begrainsafe) prior to taking this course.

Course Details

- In-person Course with Master Trainer
- Approximately 8 to 16 hours (duration dependent upon skill level of participants)
- Continual evaluation throughout course
- Upon completion of this course, a Certificate of Completion will be provided.

The BeGrainSafe Trailer is required for this course.

Course Topics

- Identification of grain incidents
 - ~ How they occur
 - ~ Common injuries
 - ~ Types of entrapments
- Grain handling and storage facilities
 - ~ Hazard identification
- Regulatory standards
 - ~ NFPA/CSA/SWP
- Confined space and fall protection considerations
- Hazard analysis and risk assessment
- Equipment required
- Practical rescue training
- Bin breach training (available upon request)

For more information about BeGrainSafe, please visit casa-asca.ca/begrainsafe or call 1 877 452 2272.



BeGrainSafe Trailer Spec Sheet:

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TRAILER SPECIFICATIONS



DIMENSIONS	Length: 31 ft 3 in (9.53m)
	Width: 8 ft 6 in (2.59m)
	Height (highest point): 11 ft 10 in (3.61m)
WEIGHT	Loaded: 23,110 lbs (10483 kg) (130 bushels of clean wheat)
	Unloaded: 15,310 lbs (6944 kg)
	Hitch Weight: 3,170 lbs (1438 kg)
SHIPPING & RECEIVING	CASA will arrange delivery to location by a licensed, bonded, and insured third-party carrier. Clearance when bringing inside buildings must be confirmed prior to delivery.
TRANSPORT INFORMATION	Minimum Class 3 license required when towing on public roadways
	Brakes: Electric (Note: breakaway cable must be connected to tow vehicle when towing)
	Hitch: Pintle
	Wiring: 7-Pin RV-style connector Note: 26 km/hr maximum speed limit when loaded with product
POSITIONING ON SITE	A large truck or equipment that can handle the hitch weight listed above is needed to move trailer onsite. Hitch: Pintle Note: Triple axle trailer - DO NOT pivot or make tight turns
POWER	One circuit 120 volt 15 amp Second circuit 120 volt 20 amp
SPACE REQUIREMENTS	Display & Use: minimum 40 ft x 30 ft (12.19m x 9.14m)
	Storage: 40 ft x 20 ft (12.19m x 6.10m)
	Rear fold down door requires access (10 ft) (3.05m)
	Left side must face toward audience Minimum 3 ft (0.91m) access space required on right side. Minimum 18 ft (5.49m) overhead clearance required when used indoors



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Promotional Poster Template:

BeGrainSafe.ca

The Canadian Agricultural Safety Association in partnership with Parkland College invites community members to watch a grain entrapment rescue demonstration and learn about grain safety featuring local fire fighters and the BeGrainSafe mobile unit.

DATE: APRIL 20, 2018

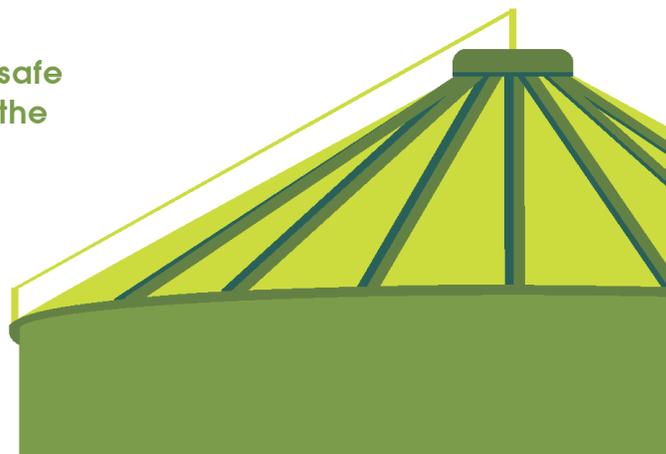
10 A.M. & 2 P.M.

LOCATION: Merv Moore Sportplex

165 2ND AVE. WEST

MELVILLE, SK

Visit casa-acsa.ca/begrainsafe
for more information about the
BeGrainSafe program.





Damage and Housekeeping Examples:



Figure 1: Sample Damage



Figure 2: Sample Housekeeping Issues (sprouted grain)



Appendix B

Trailer Inspection Form

BeGrainSafe Trailer Inspection				
Section	Item	Good	To Fix	Corrective Action Taken
Rear	TV Monitor & Contents			
	Generator			
	Wheel Chocks			
	GSI Coffe Dam			
	Interstate Date Coffe Dam			
	Mannequin			
	Backboard			
	Bin Panel Brackets			
	Leg Display			
	Cords & Electrical Supplies			
Key Box & Keys				
Middle	Red Pencil Auger			
	Yellow Pencil Auger			
	Red Inload Auger			
	Auger "C" (white)			
	Auger "F" (red)			
	Main Bin			
	Surge Bin			
	Floor (relatively clean)			
	Battery			
	Spare Battery			
	Battery Charger			
	Ducting			
	Matting			
	Garbage Bins			
Brooms				
Shovels				
Front	Fire Extinguisher			
	First Aid Kit			
	Spare Tire			
	Roll Up Banners/Podium			
	Moving Grain Display			
	Lung Function Display			
	Lockout/Tagout Display			
	2 Tables			
	2 Bar Stools			
	2 Folding Chairs			
	Vacuum			
	Sun Shade Tent			
	Dust Explosion Display			
	Totes (5 total)			
	PPE (inside totes)			
	Wood Blocking			
	Blue Jack Stands (2)			
	Aluminum Jack Stands (4)			
	Paddle			
	Davit Arm			
Winch				
4 Anchor Posts				
3 Curved Guardrail Inserts				
Pintle Hitch Insert				
Jack Cranks (2)				
Exterior	Hitch			
	Main Jack			
	Wheels			
	Exterior Panels			
	Sponsor Decals			
	Rear Lights			
Doors	Door Latches			
	Scissor Jack (front corner)			
Doors	Stairwell			
	Small Rollup			
	Rear Compartment			
	Mid Compartment Rear			
	Large Rollup			
Electrical	Front Compartment			
	Outlets			
Top	Emergency Stop			
	Panel Switches			
	Stairwell Rungs			
	Guardrails			
General	Tarp			
	Main Bin Interior			
Other	Auger "C" (white) Joint & Connection			
	Straps			
General	Tote Condition			