

IMPORTANT SUNFLOWER DRYING RECOMMENDATIONS FOR FARM FANS GRAIN DRYERS

The following information concerns the drying of sunflower grain in Farm Fans dryers. This material has been specially prepared to assist the operator in the SAFE AND EFFECTIVE operation of the dryer for this purpose.

IT IS VERY IMPORTANT TO COMPLETELY READ AND UNDERSTAND THESE RECOMMENDATIONS AND PRECAUTIONS PRIOR TO ATTEMPTING TO DRY SUNFLOWER IN THE DRYER.



SUNFLOWER DRYING PRECAUTIONS

1. Refer to back side of this sheet for suggested drying times and temperature settings.
2. Clean sunflower prior to drying.
3. Harvest when seed is below 20% moisture content. Moisture above 20% adversely effects the flow characteristics of the sunflower seed.
4. Do not leave dryer unattended while drying sunflower.
5. Make certain dryer unloads completely at the end of each batch or stage. All CMS-H, CMS-J, and CF-225 Series dryers equipped with meter roll unloading systems should be checked for uniform grain movement by observing downward movement of sunflower in the grain columns and by occasionally stopping the load operation to observe the level of the top surface of the grain. If movement is not uniform, open appropriate clean-out door and inspect for possible obstructions or grain bridging. The H, J, and CF Series dryers should also be completely unloaded daily for cleaning and inspection inside the grain columns.
6. Keep the dryer clean. Periodically inspect and clean inside plenum chambers, along with the area surrounding the dryer. Fine hairs and fibers common to sunflower can be drawn into the fan-heater units, increasing the risk of fire. Orient the fan-heater units into the prevailing wind when possible.
7. Be prepared in case of fire. Have a hose and/or fire extinguisher near the dryer. Small fires (sometimes called flares) can be extinguished by shutting off the airflow and applying water to the overheated area. More excessive fires may require complete unloading of the dryer onto the ground. DO NOT UNLOAD INTO A STORAGE BIN.
8. Check the dryer for a buildup of waxy material that may accumulate on auger flighting and other surfaces when handling sunflower (especially with higher moisture sunflower). If buildup is excessive, it should be removed.
9. Do not overdry. Sunflower dries easily and overdrying can increase the risk of fire. Safe storage moisture content is 9% for sunflower seed.

OPTIONAL EQUIPMENT AVAILABLE FOR SUNFLOWER DRYING

The following kits have been designed to aid in sunflower drying. Contact your local Farm Fans dealer for additional information concerning these and other kits available for installation on your dryer.

QUICK DUMP PORT KITS are available for field installation to allow fast dumping of each individual two-foot wide grain column section in the event of an emergency.

BOTTOM PLENUM COVER KITS - When installed, the bottom plenum cover sheets decrease the drifting or accumulation of fines and whole sunflower seeds inside the plenum chamber as can sometimes be caused by the high velocities in this area.

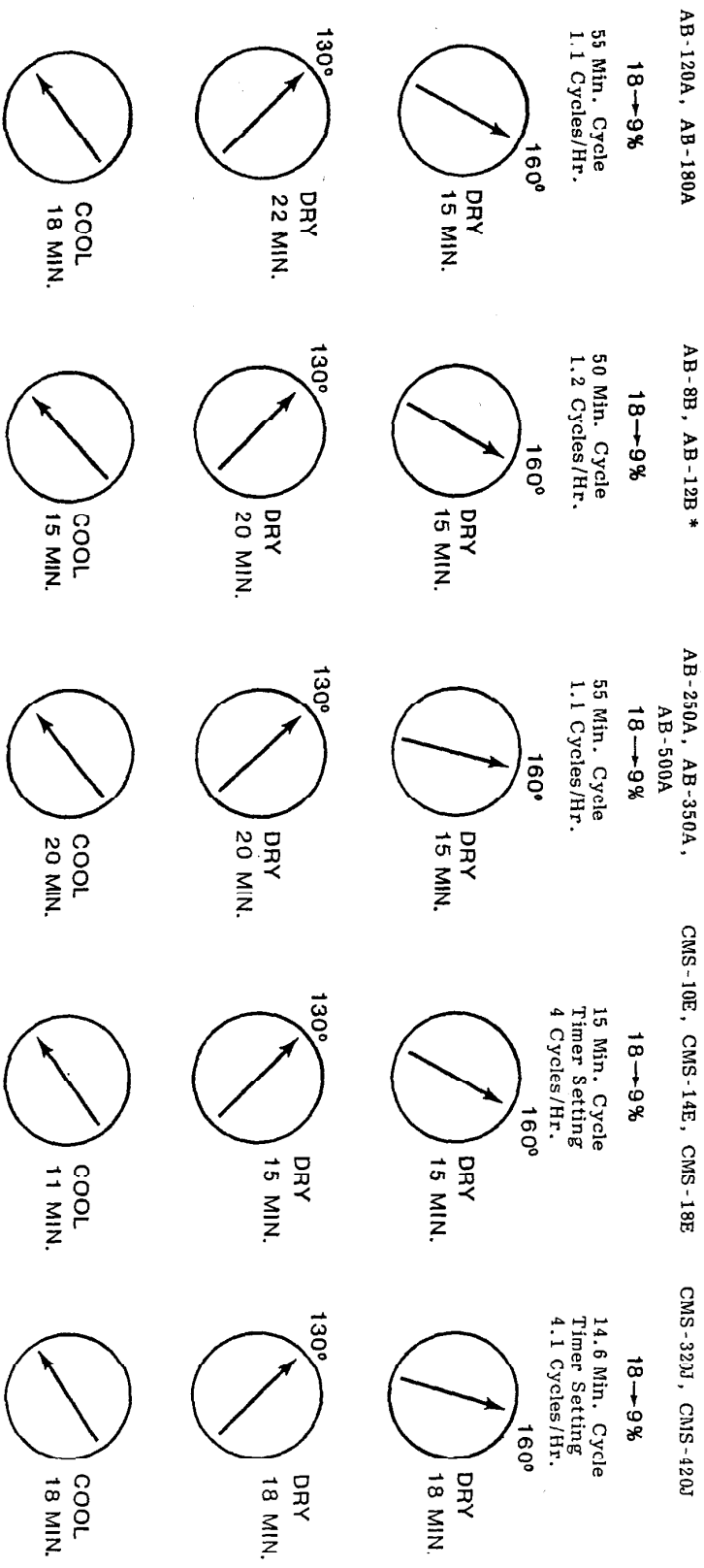
EMERGENCY UNLOAD BUTTON - A special momentary contact push button can be installed in the dryer control box to permit emergency unloading when the dryer is shut down. This unloading should only be done onto the ground and NOT into the storage bin. Contact factory for complete details.

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DRYING TEMPERATURES AND CYCLE TIMES FOR DRYING SUNFLOWER SEEDS IN FARM FANS DRYERS

- This chart shows suggested drying temperatures and cycle times for Farm Fans dryers using the DRY AND COOL process for sunflower seeds.
- The three circles correspond to High-Heat, Low-heat, and cooling time for the AB Series dryers. For the CMS-E Series and CMS-J Series, the three circles correspond to the three fan-heater units on the dryer.
- Sunflower seeds dry easily and a fire hazard exists. Keep dryer area and plenum chambers clean. DO NOT LEAVE DRYER UNATTENDED.



* No. 3 Cam Reset to 35 Min.

CAPACITIES - DRY BU/HR			
AB-8B, AB-120A Cycles/Hr. x 120	AB-250A Cycles/Hr. x 250	CMS-10E Cycles/Hr. x 50	CMS-320J Cycles/Hr. x 107
AB-12B, AB-180A Cycles/Hr. x 180	AB-350A Cycles/Hr. x 350	CMS-14E Cycles/Hr. x 70	CMS-420J Cycles/Hr. x 140
AB-500A Cycles/Hr. x 500	CMS-18E Cycles/Hr. x 90		

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