

CROP DRYING EVALUATION FORM



- For Budget Purposes
 Firm Quote Required

Date:

The following information is required to perform a solar analysis computer simulation.

Contact Information

Company:

Address:

City: Province: Code: Country:

Contact Person:

Site Address (if different from above):

City: Province: Code: Country:

Telephone: Fax:

Produce to be Dried:	Initial Moisture Content (%):
Maximum Temperature Required: <input type="checkbox"/> F <input type="checkbox"/> C	Desired Moisture Content (%): <input type="checkbox"/> kg/l <input type="checkbox"/> lb/h
Desired Temperature Rise: <input type="checkbox"/> F <input type="checkbox"/> C	Weight to be Dried:
Operating Hours per Day:	Operating Days per Week:
Drying Periods (Months) : J <input type="checkbox"/> F <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> M <input type="checkbox"/> J <input type="checkbox"/> J <input type="checkbox"/> A <input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> D <input type="checkbox"/>	
Special Drying Concerns of Requirements:	

Drying Site Data:	
City:	Country:
Minimum Ambient Temp: <input type="checkbox"/> F <input type="checkbox"/> C	Month:
Maximum Ambient Temp: <input type="checkbox"/> F <input type="checkbox"/> C	Month:

Building Data:
Construction: <input type="checkbox"/> New Construction <input type="checkbox"/> Retrofit

Notes:

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	NORTH ROOF	SOUTH ROOF	EAST ROOF	WEST ROOF
Length (m):				
Width (m):				
Orientation:				
Floor Area: m ²	Maximum Ceiling Height: m		Maximum Ceiling Height: m	
Current Building Use:			Age: Years	
Wall Construction:			Roof Construction:	

Provide sketches showing wall elevation and roof plan. Show existing air intakes.

Existing Drying System Data				
Fuel Source:		Cost of Fuel per Unit:		
Total Annual Fuel Consumption:		Total Annual Fuel Cost:		
Is Electricity Available?	Yes <input type="checkbox"/>	Cost: \$/kWh	No <input type="checkbox"/>	
Total Air Supplied to Building: m ³ /h		Total Air Exhausted from Buildings: m ³ /h		
New Supply Fans:	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h
Exhaust Fans:	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h
Recirculation Fans:	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h	_____ @ _____ m ³ /h

Summary of Solar Air Heating Analysis (for Matrix Energy use only)				
Total MatrixAir™ Area:		MatrixAir™ Location:		Amount of Air to be Heated: m ³ /h
Recirculation Fans:	_____ @ _____ m /h	_____ @ _____ m /h	_____ @ _____ m /h	_____ @ _____ m /h
Estimated Project Cost (\$):			Incremental Cost (\$):	
Annual Energy Savings (\$):			Payback Period:	

Notes: