

NORTHWEST AGRIFAN

Concept.

EFFICIENT . . . ECONOMICAL . . . EFFECTIVE.

It's a simple concept. The vertical, turbulent pattern of air flow from AGRIFANS provides benefits in all seasons.

The larger wall fans being used in agricultural buildings are mainly confined to ventilation, the intake and exhaust of high volumes of air. The air moves horizontally across the buildings in response to pressure, timers or thermostats.

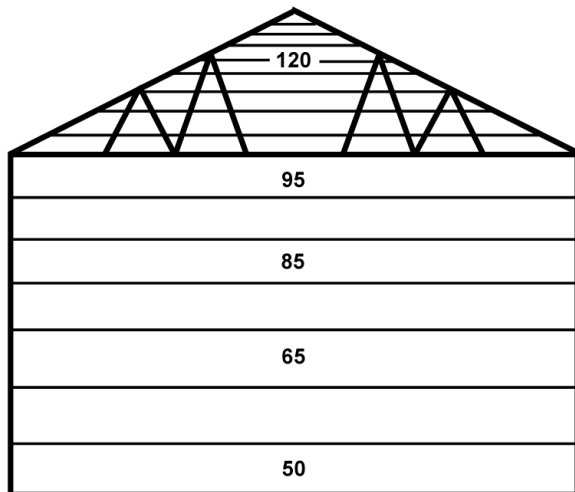
Northwest AGRIFANS are ceiling fans and operate on a completely different principle. AGRIFANS mix the air and move large volumes of air vertically over livestock and throughout the entire building. The result? A healthier, cooler and more consistent environment all year long.

In hot weather AGRIFANS' air flow creates a mild wind chill. This causes evaporative cooling for livestock, poultry and people, helping to keep production up and heat stress down. Vertical air movement from AGRIFANS helps break up the "heat barrier" between animals, mixing and circulating air, and equalizing temperatures.

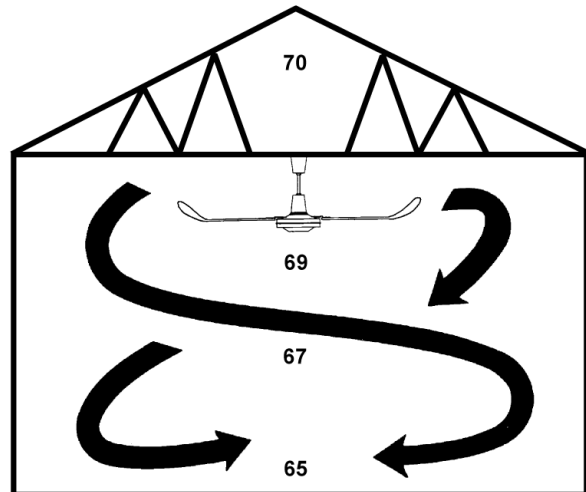
In cold weather, at lower speeds, AGRIFANS mix the air, eliminating the layer of warm air near the cold roof. This greatly reduces or prevents condensation that forms and "hangs" from the roof, dripping on animals, poultry, bedding and surfaces below. Also, because heat rises, AGRIFANS push heat down to floor level where it is constantly reused, saving substantial energy dollars. Air circulation eliminates cold pockets and stagnant air.

In all seasons AGRIFANS, which can move air up to 43,500 CFM, help to disperse fumes from floor level in indoor pens and buildings and also help to keep bedding, litter and floors drier.

The cost of running an AGRIFAN system is small; one AGRIFAN, installed for up to every 2,400 square feet, uses less energy than a 100 watt light bulb. Besides costing so little to operate, AGRIFANS also give fast payback by saving energy. When used with existing ventilation systems AGRIFANS make sound operating sense.



STRATIFIED HEAT - FROM LACK OF VERTICAL AIR MOVEMENT. Because hot air rises there can be extreme temperature differences between the floor and the roof. In winter, floors are cold and heat trapped at the roof is wasted. In summer, pockets of air stagnate, animals near the floor suffer heat stress.



THE AGRIFAN SOLUTION - In winter AGRIFANS mix stratified air, forcing warmer air down to floor level, also reducing condensation. In summer vertical, turbulent air movement cools poultry and livestock. In all seasons, continuous vertical air circulation speeds drying of floors, bedding, walls and ceilings.