Utility Vehicle with Sprayer

Seating:
4-Passenger

Engine:
The vehicle must have at least 20 horse power engine preferably diesel liquid cooled, with CVT continuously variable transmission, and a 12 volt charging system.

Suspension:
It should have independent front and rear suspension with double A-Arm front suspension with coil over shocks, and swing-arm rear suspension and rack and pinion steering.

4 X 4:
The vehicle must have automatic type controls with on/off 2 wheel drive to 4 wheel drive controls with on demand 4X4 that is fully mechanical.

Brakes:
The brakes should be hydraulic 4 wheel disc brakes as well as an engine brake.

Cargo Bed and Vehicle Capacity:
The vehicle must have a large cargo bed capable of hauling at least 1050 lbs. and a total vehicle capacity of 1600 lbs.

Cage and Top:
The vehicle must have a full roll cage capable of protecting passengers in case of a roll over and have seat belts for all passengers. It must have a top covering the cab area.

Sprayer System:
The custom built sprayer system will be installed from the dealer. It will have full variable rate onboard computerized controls, with touch screen monitor mounted in the cab. This includes onboard monitor with GIS and RTK, GPS capabilities which will monitor both guidance and rate functions. The system has to also track the ground speed of the vehicle, acres covered and rate of chemical mixture. The vehicle will come with a light bar indicator for guidance, and GIS system monitor with site mapping capabilities onboard. The computer must be able to communicate with the Advanced Farm System software. The sprayer will have sensors for variable rate based upon GIS information, with individual nozzle control which will vary the rate as well as individual nozzle shut off based upon site specific mapping software and control. It should have at least a total length of 20 feet boom which will fold away so it can be hauled in a closed cargo trailer, and a mounted 30 gallon liquid tank.

Delivery:
Included in bid

Total proposal cost of unit as specified: _____________________