Background Notes for Muscadine Meeting Talk – 10 acre vineyard (1/28/17)

MICHAEL ILLIA, A.E.
SENIOR PRODUCT & SOLUTIONS MANAGER
NETAFIM USA
OFFICE: 805-773-8088
CELL: 559-250-3922

10 Acres will need to be supplied with approximately 600 gpm

Fed from the center you can use 6" FlexNetHP mainlines both ways (300 gpm each way)

   Then every 40' (4 rows) you would have a sprinkler lateral (2" FlexNet HP with outlets every 40 feet)

   You will need to transition from the 6" Mainline to the 2" Laterals, therefore needing 6"x6"x2" Reducing FlexNet Tees

   You will also want to valve each lateral with a 2" valve for in-field maintenance when needed for accessibility

      Repeat this to the end of the 5 acre trial (There are two(2) - 5 acre trials next to each other)

You would in effect have 16 rows of laterals total
Each row would have 18 sprinklers

At each sprinkler connection to the 2" FlexNet HP, you would need the following list of parts:

   1/2" MPT x 16mm 90 deg elbow
   2' of 16mm blank PE tubing (540x630)
   16mm Spin Loc coupler for dissembling after spring / cold season
   4' of 16mm blank PE tubing (540x630)
   16mm insert barb x 3/4" MPT fitting
   3/4" FPT x FPT coupler
   12" - 3/4" thread x thread pvc nipple, sch80
   3/4" FPT x 1/2" FPT threaded reducing coupler
   1/2" MPT DNET 8550 Netafim Sprinkler 2.24 GPM (Gray color)
288 sprinklers
32 rolls of 2" FlexNet with fittings every 40', rolls are 380' in length (2 per lateral row)
2 rolls of 6" FlexNet HP mainline
Assorted 6" & 2" FlexNEt connectors

CompanyLinks:
http://www.netafim.com/Data/Uploads/160503%20D-Net%208550.pdf

http://www.netafim.com/Data/Uploads/Flexible%20Pipes%20Flexnet%20HP.pdf

This is for the DNET 8550 Impact Sprinkler and the FlexNet HP which is the higher pressure laterals that roll out.

This next one is a picture from the web on Sprinkler frost.

http://media2.picsearch.com/is?CWabXSJ34mkUymaA7X45JwUI9f0mIbsE3OR8QdEtVuI&height=227

http://media4.picsearch.com/is?azwrfAgd-bNw4J3ZtKZpKf76vIadNwyjDWzeODwZ4mI&height=270

http://media2.picsearch.com/is?rsJKKllsUPuSPF3zgeM6MvOVYTS-jxAO0U1FPWbMzO8&height=212