

***Hydrangea macrophylla* and *Hydrangea serrata* Trials at the University of Kentucky®**

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NATURE OF WORK

During the last decade, *Hydrangea macrophylla* has enjoyed a resurgence as a dominate landscape plant. Selection and hybridization has yielded many new cultivars. During the late 1990s we concluded little was known about the usefulness of the wide range of cultivars for establishment in landscapes in the Ohio River Valley. Starting in 2000, we have established several evaluation plots at three locations (Table 1) across Kentucky as material of landscape size (No. 1 container) became available for use. Cultivars established after 2000 have six replications at each site. Specific cultivars have been established at one, two, or three sites. Data is included for cultivars at multiple sites. We have now evaluated over 100 cultivars. Plants have been evaluated for winter hardiness and ability to flower. Quicksand and Lexington sites are on drip irrigation while the Paducah site is hand watered on an as-needed basis. All three sites are in USDA Hardiness Zone 6.

RESULTS AND DISCUSSION

Table 1 lists many of the cultivars evaluated. The data denotes number of plants which survived from the original planting when evaluated during spring 2006. Plants without numbers were not located at the respective site.

Table 1. *Hydrangea macrophyll* and *H. serrata* cultivar survival rate. Number of plants surviving spring 2006 from original six plants installed in field plots at the three Kentucky sites.

Cultivar	Paducah	Quicksand	Lexington
All Summer Beauty	4	6	6
Alpenglühén		3	4
Altona		6	1
Amy Pasquier		6	5
Arburg	4	5	6
Bailmer, Endless Summer™ hydrangea	4	2	6
Blau Donau	5	4	6
Blaumeise	6	5	
Blue Billow		5	3
Blue Deckle		5	6
Bodensee		6	4
Böttstein	6	4	6

Cultivar	Paducah	Quicksand	Lexington
Brestenburg		4	5
Brugg	6	5	0
Brunegg	2	5	6
Brunette	5		6
Burg Königstein	4	4	3
Burg Rosenburg	4	4	6
Cardinal Red		3	6
Chaperon Rouge (syn. Red Cap)	0	4	2
Curtis' Legacy (syn. Coerula Lace)		6	6
David Ramsey	6	2	6
Decatur Blue	5		3
Dooley		6	6
Doctor Benard Steiniger	3		6
Dundalk	5	5	5
Freudenstein	5	6	6
Fuji Waterfall	3	2	4
Gartenbaudirektor Kuhnert (syn. Kuhnert)	6	6	6
Général Vicomtesse de Vibrayé	4		4
Goffersburg	2		2
Goliath	5		3
Habsburg	5	6	6
Hamburg	4	4	
Harlequin	3	2	
Hildegard	1	5	0
Holstein	3	4	3
Horben	3	6	5
Hörnli		5	5
Kasteln	5	3	6
Kiyosumi (syn. Kyosume)		3	1
Koralle	2	3	5
Kurohime	6	4	5

Cultivar	Paducah	Quicksand	Lexington
Lenzburg	4	6	4
Libelle (syn. Teller White)		6	6
Liebegg	1	2	6
Madame Emile Mouillère	5	6	3
Madame Faustein Travouillon			6
Mariesii Lilacina		6	1
Masja		5	5
Mathilda Gütges	2	0	6
Merritt's Supreme		6	5
Mereille	1		6
Monte Forte Perle	0	3	2
Nikko Blue		6	6
Oak Hill	6	2	6
Oregon Pride	2	5	6
Parzifal		5	3
Penny Mac	6	4	5
Raymond Draps	3	3	6
Regula	5	6	6
Rosarita	6	5	6
Rose Supreme	2	5	0
Rotdrössel		3	6
Rotschwanz (syn. Red Star)	6	6	4
Schenkenburg	3	4	6
Setsuka-yae (syn. Domotoi)	3		6
Souvenir du President Paul Doumer	4		6
Stafford	1	4	6
Tegerfelden	0	5	3
Ticino	1	4	6
Trotsburg	3	3	1
Wartburg	4	5	4
Wildegg	5	5	6
Wildenstein	4	3	6