

2012 *Ilex* Collection Report
University of Washington Botanic Gardens
Washington Park Arboretum
USDA Hardiness Zone 8a

Rainfall for 2012 was slightly higher than normal, but well within normal ranges. Temperatures were also fairly average for the climate of Seattle. There was a cold period in January, with low temperatures in the mid-twenties. There was one snow event in January, but no significant breakage or freeze damage to the *Ilex* collection occurred. We experienced a long wet spring and then entered into a very dry summer.

The most significant collection development and implementation in the *Ilex* collection was the addition of another berm in the American clade section. We brought in 120 yards of soil and shaped it into a raised berm. Eight new American clade specimens, *Ilex opaca* cvs and *I. rubra* (see 2012 additions list below) have been added from our container nursery inventory, with more to come in 2013.

Progress addressing our drainage and hydrology issues in the Eurasian clade area was achieved in 2012. Three graduate students in our School of Environmental and Forest Sciences completed a thorough study and report, "Washington Park Arboretum Saturated Soil Study, Fall of 2011." We now know the primary source is ground water seep and not surface runoff. We are also clients for a UW-Restoration Ecology Network class, which began its program in the fall of 2012. A student design/build team is enhancing the *Ilex* watershed in this Eurasian clade area. They have designed a sustainable weir pool system and planting plan using Pacific Northwest native riparian species in the wettest lower section, as well as around the upper swale. We look forward to implementation of their design this coming spring quarter.

Coinciding with this watershed work progress, we also removed several poplar trees and invasive plants in the adjacent undeveloped uphill greenbelt area. This has improved site aesthetics and has opened up areas for the development of future collections.

The *Ilex* collection continues to be a major site for volunteer groups and organizations that primarily assist the horticulture staff in controlling weeds and mulching the *Ilex* berms. In 2012 for Earth Day and the United Way Day of Caring, our two largest volunteer events during the year, we partnered with the Student Conservation Association, Century Link Pioneers, and Microsoft employees. Over 200 hours of volunteer labor was tallied in the *Ilex* collection in 2012.

Lastly, CenturyLink Pioneers funded the installation of five interpretive signs. One overview sign explains what a "clade" is and there is one each for the four clades.

David Zuckerman Manager of Horticulture / Plant Records

Ryan Garrison, Horticulturist, *Ilex*

2012 List of *Ilex* Additions:

TAXON	QTY	ACC
<i>Ilex aquifolium</i> 'Crispa Aurea Picta'	<u>1</u>	69-06-A
<i>I.I. aquifolium</i> 'Ferox Argentia'	<u>1</u>	59-07-A
<i>I. aquifolium</i> 'Golden Queen'	<u>1</u>	26-08-A
<i>I. aquifolium</i> 'Myrtifolia Aurea Maculata'	<u>1</u>	25-08-A
<i>I. aquifolium</i> 'Myrtifolia Aurea Maculata'	<u>1</u>	25-08-B
<i>I. aquifolium</i> 'Recurva'	<u>1</u>	31-07-A
<i>I. bioritsensis</i>	<u>1</u>	60-99-A
<i>I. canariensis</i>	<u>1</u>	35-08-A
<i>I. canariensis</i>	<u>1</u>	35-08-B
<i>I. canariensis</i>	<u>1</u>	35-08-C
<i>I. ciliospinosa</i>	<u>1</u>	39-07-A
<i>I. ciliospinosa</i>	<u>1</u>	40-07-A
<i>I. ciliospinosa</i>	<u>1</u>	19-08-A
<i>I. colchica</i>	<u>1</u>	65-05-A
<i>I. colchica</i>	<u>1</u>	66-05-B
<i>I. colchica</i>	<u>1</u>	3-06-A
<i>I. crenata</i>	<u>1</u>	4-06-A
<i>I. crenata</i> f. <i>watanabeana</i>	<u>1</u>	63-05-A
<i>I. crenata</i> v. <i>paludosa</i>	<u>2</u>	62-05-A
<i>I. fargesii</i> spp <i>fargesii</i>	<u>2</u>	95-07-A
<i>I. fargesii</i> spp <i>melanotricha</i>	<u>1</u>	398--62-A
<i>I. fargesii</i> spp. <i>Fargesii</i>	<u>1</u>	95-07-B
<i>I. integra</i>	<u>1</u>	71-06-A
<i>I. macropoda</i>	<u>1</u>	75-96-B
<i>I. macropoda</i>	<u>1</u>	134-93-A
<i>I. macropoda</i>	<u>1</u>	75-96-A
<i>I. opaca</i> 'Canary'	<u>1</u>	60-05-A
<i>I. opaca</i> 'Farage'	<u>1</u>	411-48-A
<i>I. opaca</i> 'Farage'	<u>1</u>	8-06-A
<i>I. opaca</i> 'Osa'	<u>1</u>	42-07-A
<i>I. opaca</i> 'Osa'	<u>1</u>	9-06-A
<i>I. perado</i> spp. <i>perado</i>	<u>1</u>	32-07-A

<i>I. perado</i> spp. <i>perado</i>	<u>1</u>	32-07-B
<i>I. perado</i> spp. <i>perado</i>	<u>1</u>	34-08-A
<i>I. pernyi</i>	<u>2</u>	73-06-A
<i>I.</i> 'Rock garden'	<u>1</u>	127-99
<i>I. rubra</i>	<u>1</u>	3-08-A
<i>I. rubra</i>	<u>1</u>	74-06-A
<i>I. rubra</i>	<u>1</u>	33-07-A
<i>I. suaveolens</i>	<u>1</u>	38-85-A

2012 List of *Ilex*
Deaccessions (includes
nursery, all grounds and
gardens)

70-06-Z	<i>I.</i> <i>ciliospinosa</i>	—
70-06	<i>I. ciliospinosa</i>	
65-05-B	<i>I. colchica</i>	
71-06-A	<i>I. integra</i>	
49-00-B	<i>I. integra</i>	
136-93-A	<i>I. macropoda</i>	
60-05-Z	<i>I. opaca</i> 'Canary'	
48-07	<i>I. opaca</i> 'Trisco'	
23-86-A	<i>I. spinigera</i>	—
42-87	<i>I.</i> × 'September Gem'	—