



Figure S1. Example aerial images of Japanese knotweed taken with different optical sensors: RGB (a), thermal (b), and NDVI values from a multispectral sensor (c). The whiter color in (b) indicates higher temperature and the greener color in (c) indicates healthy vegetation.

		Predicted		
		Giant knotweed at the vegetative stage	Knotweeds at the flowering stage	Japanese knotweed at the vegetative stage
Actual	Giant knotweed at the vegetative stage			No errors
	Knotweeds at the flowering stage			No errors
	Japanese knotweed at the vegetative stage	No errors	No errors	

Figure S2. Example outcomes of knotweed species classification utilizing the Swin Transformer model.